

C
B81m H
1918/19

XV

DECEMBER, 1918

NO. 1

BULLETIN OF BROWN UNIVERSITY

THE CATALOGUE

1918-1919



PROVIDENCE

PUBLISHED BY THE UNIVERSITY

[DECEMBER, APRIL, MAY, JUNE, OCTOBER]

CORRESPONDENCE

Correspondence addressed simply to Brown University, Providence, Rhode Island, may be expected to reach the proper department, but in order to avoid delay correspondents are requested to note the following directions:

Communications relating to matters directly in the charge of the Corporation, and all correspondence bearing upon the general interests of the University, should be addressed to the President.

Requests for the Annual Catalogue and other publications, and inquiries relating to the admission of Undergraduate students, should be addressed to the Registrar.

Inquiries concerning scholarships should be addressed to the Secretary of the Committee on Scholarships.

Inquiries concerning other matters pertaining to Undergraduate students should be addressed to the Dean of the University.

Inquiries in regard to the Graduate Department should be addressed to the Dean of the Graduate Department.

Inquiries concerning the Women's College should be addressed to the Dean of the Women's College, Pembroke Hall.

Inquiries or information concerning Alumni should be sent to the Keeper of Graduate Records, University Library.

THE CATALOGUE
OF
BROWN UNIVERSITY

ONE HUNDRED AND FIFTY-FIFTH YEAR

1918-1919



PROVIDENCE, RHODE ISLAND
PUBLISHED BY THE UNIVERSITY
1918

D. B. UPDIKE • THE MERRYMOUNT PRESS • BOSTON

CONTENTS

	PAGE
UNIVERSITY CALENDAR, 1918-19	7
THE CORPORATION	11
THE OFFICERS	11
THE BOARD OF FELLOWS	11
THE BOARD OF TRUSTEES	11
STANDING COMMITTEES OF THE CORPORATION	13
OFFICERS OF ADMINISTRATION AND INSTRUCTION	14
THE EXECUTIVE OFFICERS	14
THE FACULTY	14
OTHER OFFICERS	19
STANDING COMMITTEES OF THE FACULTY	21
OFFICE HOURS	21
ADMISSION TO THE UNIVERSITY	23
METHODS OF ADMISSION TO THE FRESHMAN CLASS	23
ADMISSION AT MID-YEAR	25
ENTRANCE REQUIREMENTS FOR THE VARIOUS DEGREES	27
ENTRANCE REQUIREMENTS IN THE SEVERAL SUBJECTS	27
ADMISSION TO ADVANCED STANDING	45
ADMISSION OF SPECIAL STUDENTS	46
REGISTRATION AND ENROLMENT OF UNDERGRADUATES	47
REQUIREMENTS FOR DEGREES	49
FOR THE DEGREE OF BACHELOR OF ARTS	49
FOR THE DEGREE OF BACHELOR OF PHILOSOPHY	50
FOR THE DEGREE OF BACHELOR OF SCIENCE	
IN CIVIL ENGINEERING	55
IN ELECTRICAL ENGINEERING	55
IN MECHANICAL ENGINEERING	56
REGULATIONS UNDER WHICH A STUDENT MAY TAKE A FIRST DEGREE IN LESS THAN FOUR YEARS	57
CREDIT FOR SUMMER WORK	57
ATTENDANCE, STANDING, AND EXAMINATIONS	59
GRADUATE STUDY	62
REGISTRATION OF GRADUATE STUDENTS	62
REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS	62
REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE	63
REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY	64
REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PUBLIC HEALTH	65
THE SCHOOL OF EDUCATION	65
THE COLLEGE IN WAR TIME	68

THE WAR-TIME CURRICULUM	71
COURSES GIVEN DURING THE FIRST TERM 1918-19	72
COURSES OF INSTRUCTION	77
ART	77
ASTRONOMY	78
BIBLICAL LITERATURE AND HISTORY	78
BIOLOGY	79
BOTANY	81
CHEMISTRY	83
ECONOMICS	86
EDUCATION	87
ENGINEERING	89
A. CIVIL ENGINEERING	90
B. ELECTRICAL ENGINEERING	91
C. MECHANICAL ENGINEERING	92
D. MECHANICS	93
ENGLISH	94
GEOLOGY	96
GERMANIC LANGUAGES AND LITERATURES	97
GREEK LITERATURE AND HISTORY	99
HISTORY	100
MATHEMATICS	102
MUSIC	105
NAVAL SCIENCE AND NAVIGATION	106
PHILOSOPHY	107
PHYSICS	108
ROMAN LITERATURE AND HISTORY	110
ROMANCE LANGUAGES AND LITERATURES	111
SOCIAL AND POLITICAL SCIENCE	112
PHYSICAL TRAINING	114
ORIENTATION LECTURES	115
RELIGIOUS EDUCATION	116
LIBRARIES, LABORATORIES, AND MUSEUMS	118
UNIVERSITY EXTENSION	118
ARRANGEMENTS WITH OTHER INSTITUTIONS	120
THE RHODE ISLAND SCHOOL OF DESIGN	120
THE AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS	120
THE NEWTON THEOLOGICAL INSTITUTION	120
THE TRAINING OF TEACHERS	121
ARRANGEMENTS WITH THE STATE OF RHODE ISLAND	121
ARRANGEMENTS WITH THE CITY OF PROVIDENCE	121
PROVISIONS FOR THE PERSONAL WELFARE OF STUDENTS	123
PHYSICAL TRAINING	123

CONTENTS

5

MEDICAL CARE	123
STUDENT ADVISERS	124
THE BROWN UNION	124
THE BROWN CHRISTIAN ASSOCIATION	125
RELIGIOUS SERVICES	125
DORMITORY ACCOMMODATIONS	126
UNIVERSITY FEES	127
FINANCIAL AID TO STUDENTS	130
FELLOWSHIP FUNDS	130
SCHOLARSHIP AND AID FUNDS	131
LOAN FUNDS	132
SERVICE	132
PREMIUMS, PRIZES, AND HONORS	133
DEGREES CONFERRED IN 1918	143
LIST OF STUDENTS	147
THE WOMEN'S COLLEGE	173
OFFICERS OF ADMINISTRATION AND INSTRUCTION	173
ORGANIZATION	177
REQUIREMENTS FOR ADMISSION	178
REGISTRATION AND ENROLMENT	178
REQUIREMENTS FOR DEGREES	178
FEES	178
COURSES OF INSTRUCTION	180
PREMIUMS, PRIZES, AND HONORS	190
FELLOWSHIPS AND SCHOLARSHIPS	191
THE COLLEGE BUILDINGS	194
PROVISION FOR WORSHIP, HEALTH, AND RECREATION	195
LIST OF STUDENTS	197
APPENDIX	
THE BROWN UNIVERSITY TEACHERS' ASSOCIATION	204
THE RHODE ISLAND ALPHA OF THE PHI BETA KAPPA SOCIETY	204
THE BROWN CHAPTER OF THE SOCIETY OF THE SIGMA XI	205
THE ASSOCIATED ALUMNI	206
ALUMNI ASSOCIATIONS	207
THE ALUMNAE ASSOCIATION	208
ALUMNAE CLUBS	209
RENT AND LOCATION OF DORMITORY ROOMS	210
SUMMARY OF REGISTRATION	214
PUBLICATIONS	217
DIRECTORY OF OFFICERS AND STUDENTS	221
INDEX	239
PLAN OF THE GROUNDS AND BUILDINGS	245

CALENDAR 1918-1919

Vacations and Holidays occurring within the Academic Year 1918-19 are indicated by dark type.

1918	1919	1919
SEPT.	MAR.	SEPT.
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	 1	.. 1 2 3 4 5 6
8 9 10 11 12 13 14	2 3 4 5 6 7 8	7 8 9 10 11 12 13
15 16 17 18 19 20 21	9 10 11 12 13 14 15	14 15 16 17 18 19 20
22 23 24 25 26 27 28	16 17 18 19 20 21 22	21 22 23 24 25 26 27
29 30	23 24 25 26 27 28 29	28 29 30
.	30 31	
OCT.	APR.	OCT.
. . . . 1 2 3 4 5	 1 2 3 4 5	 1 2 3 4
6 7 8 9 10 11 12	6 7 8 9 10 11 12	5 6 7 8 9 10 11
13 14 15 16 17 18 19	13 14 15 16 17 18 19	12 13 14 15 16 17 18
20 21 22 23 24 25 26	20 21 22 23 24 25 26	19 20 21 22 23 24 25
27 28 29 30 31 . . .	27 28 29 30	26 27 28 29 30 31 ..
NOV.	MAY	NOV.
. 1 2	 1 2 3	 1
3 4 5 6 7 8 9	4 5 6 7 8 9 10	2 3 4 5 6 7 8
10 11 12 13 14 15 16	11 12 13 14 15 16 17	9 10 11 12 13 14 15
17 18 19 20 21 22 23	18 19 20 21 22 23 24	16 17 18 19 20 21 22
24 25 26 27 28 29 30	25 26 27 28 29 30 31	23 24 25 26 27 28 29
DEC.	JUNE	30
1 2 3 4 5 6 7	1 2 3 4 5 6 7	DEC.
8 9 10 11 12 13 14	8 9 10 11 12 13 14	.. 1 2 3 4 5 6
15 16 17 18 19 20 21	15 16 17 18 19 20 21	7 8 9 10 11 12 13
22 23 24 25 26 27 28	22 23 24 25 26 27 28	14 15 16 17 18 19 20
29 30 31	29 30	21 22 23 24 25 26 27
JAN. 1919	JULY	28 29 30 31
. 1 2 3 4	 1 2 3 4 5	JAN. 1920
5 6 7 8 9 10 11	6 7 8 9 10 11 12	 1 2 3
12 13 14 15 16 17 18	13 14 15 16 17 18 19	4 5 6 7 8 9 10
19 20 21 22 23 24 25	20 21 22 23 24 25 26	11 12 13 14 15 16 17
26 27 28 29 30 31 ..	27 28 29 30 31	18 19 20 21 22 23 24
FEB.	AUG.	25 26 27 28 29 30 31
. 1	 1 2	FEB.
2 3 4 5 6 7 8	3 4 5 6 7 8 9	1 2 3 4 5 6 7
9 10 11 12 13 14 15	10 11 12 13 14 15 16	8 9 10 11 12 13 14
16 17 18 19 20 21 22	17 18 19 20 21 22 23	15 16 17 18 19 20 21
23 24 25 26 27 28 . .	24 25 26 27 28 29 30	22 23 24 25 26 27 28
.	31	29

THE UNIVERSITY CALENDAR 1918-19

1918

- SEPTEMBER 4. *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).
- SEPTEMBER 17-23. *Tuesday to Monday, inclusive.* Examinations for admission to the Freshman class and to advanced standing.
- SEPTEMBER 23, 24. *Monday and Tuesday.* Registration of new students and enrolment of students previously in residence.
- SEPTEMBER 25. *Wednesday, 9 a.m.* ACADEMIC YEAR BEGINS (fourth Wednesday in September). Registration and enrolment of Graduate students at the Registrar's office.
- OCTOBER 19. *Saturday.* Examination in Greek for the President's Premiums, 2 Sayles Hall, 3 p.m.
- OCTOBER 26. *Saturday.* Examination in Latin for the President's Premiums, 1 Sayles Hall, 3 p.m.
- NOVEMBER 2. *Saturday.* Examination in Mathematics for the Hartshorn Premiums, 26 Wilson Hall, 3 p.m. Meeting of the Corporation.
- NOVEMBER 9. *Saturday.* Examination in French for the Hicks Premiums, 1 Sayles Hall, 3 p.m.
- NOVEMBER 16. *Saturday.* Examination in German for the Caesar Misch Premiums, 5 Sayles Hall, 3 p.m.
- NOVEMBER 28. *Thursday.* Thanksgiving Day. No University exercises.
- DECEMBER 16-21. *Monday to Saturday, inclusive.* Term Examinations.
- DEC. 22 to JAN. 1. *Sunday to Wednesday, inclusive.* CHRISTMAS RECESS.
- DEC. 30 to JAN. 1. *Monday to Wednesday, inclusive.* Enrolment of Undergraduate students and candidates for admission.

1919

- JANUARY 2. *Thursday*, 8 a.m. SECOND TERM BEGINS. Enrolment of Graduate students at the Registrar's office.
- JANUARY 14. *Tuesday*. Last day for receiving applications for examinations to remove entrance conditions.
- JANUARY 18-24. *Saturday to Friday, inclusive*. Mid-year examinations for admission to the Freshman class.
- JANUARY 21. *Tuesday*. Last day for applications of competitors for the Carpenter Prizes in Elocution.
- FEBRUARY 12. *Wednesday*. Preliminary discussion for the Class of 1880 Prizes.
- FEBRUARY 14. *Friday*. Last day for receiving essays submitted in competition for the Class of 1880 Prizes.
- FEBRUARY 19. *Wednesday*. Public discussion for the Class of 1880 Prizes.
- FEBRUARY 22. *Saturday*. Washington's Birthday.
- MARCH 1. *Saturday*. Last day for applications of competitors for the Bishop McVickar Prizes.
Last day for applications of competitors for the Society of Colonial Dames Prize.
- MARCH 17-22. *Monday to Saturday, inclusive*. Term examinations.
- MARCH 23-27. *Sunday to Thursday, inclusive*. SPRING RECESS.
- MARCH 27. *Thursday*. Enrolment of Undergraduates and candidates for admission.
- MARCH 28. *Friday*, 8 a.m. THIRD TERM BEGINS. Enrolment of Graduate students at the Registrar's office.
- APRIL 1. *Tuesday*. Last day for receiving applications for examination for the degree of Doctor of Philosophy.
- APRIL 8. *Tuesday*. Last day for receiving essays submitted in competition for the Gaston Prize Medal.
- APRIL 15. *Tuesday*. Carpenter Prize Speaking Competition.

- APRIL 15. *Tuesday.* Last day for receiving applications for the Grand Army of the Republic Fellowship. Last day for receiving theses of candidates for the degree of Doctor of Philosophy.
- APRIL 30. *Wednesday.* Last day for receiving essays submitted in competition for the Bishop McVickar Prizes.
- MAY 7. *Wednesday.* Examination in Greek for the Foster Premium.
Meeting of the Board of Fellows.
- MAY 13. *Tuesday.* Hicks Prize Debate.
- MAY 14. *Wednesday.* Last day for receiving essays submitted in competition for the Society of Colonial Dames Prize.
- MAY 20. *Tuesday.* Gaston Prize Medal Competition.
- MAY 21. *Wednesday.* Examination in Latin for the Lucius Lyon Premiums.
- MAY 28. *Wednesday.* Last day for receiving essays submitted in competition for the Class of 1873 Prize.
- MAY 30. *Friday.* Memorial Day. No college exercises.
- JUNE 2. *Monday.* Last day for examinations for the degree of Doctor of Philosophy.
- JUNE 7-13. *Saturday to Friday, inclusive.* Term examinations.
- JUNE 15. *Sunday.* Baccalaureate Sermon, First Baptist Meeting House, 4.30 p.m.
- JUNE 16. *Monday.* Class Day.
- JUNE 17. *Tuesday.* Annual Meeting of the Phi Beta Kappa Society, Administration Building, 9.30 a.m.
Meeting of the Board of Fellows.
Ivy Day, Pembroke Hall.
Annual Meeting of the Associated Alumni, Brown Union, 8.30 p.m.
- JUNE 18. *Wednesday.* ONE HUNDRED AND FIFTY-SECOND

BROWN UNIVERSITY

ANNUAL COMMENCEMENT, First Baptist Meeting House, 10 a.m.

JUNE 19. *Thursday.* Meeting of the Corporation.

JUNE 19 to SEPT. 23. SUMMER VACATION.

SEPTEMBER 3. *Wednesday.* Annual meeting of the Corporation (first Wednesday in September).

SEPTEMBER 16-22. *Tuesday to Monday, inclusive.* Examinations for admission to the Freshman class and to advanced standing.

SEPTEMBER 22, 23. *Monday and Tuesday.* Registration of new students and enrolment of students previously in residence.

SEPTEMBER 24. *Wednesday, 9 a.m.* ACADEMIC YEAR BEGINS (fourth Wednesday in September).

THE CORPORATION

THE OFFICERS

WILLIAM HERBERT PERRY FAUNCE, D.D., LL.D., PRESIDENT
ARNOLD BUFFUM CHACE, Sc.D., CHANCELLOR
THOMAS DAVIS ANDERSON, D.D., SECRETARY
CORNELIUS SOWLE SWEETLAND, A.M., TREASURER

THE BOARD OF FELLOWS

WILLIAM HERBERT PERRY FAUNCE, D.D., LL.D. *Providence*
THOMAS DAVIS ANDERSON, D.D. *Brookline, Mass.*
WILLIAM WILLIAMS KEEN, M.D., Ph.D., Sc.D., LL.D. *Philadelphia, Pa.*
GEORGE EDWIN HERR, D.D. *Newton Centre, Mass.*
HENRY KIRKE PORTER, LL.D. *Washington, D. C.*
HENRY SWEETSER BURRAGE, D.D. *Kennebunkport, Me.*
HERMON CAREY BUMPUS, Ph.D., Sc.D., LL.D. *Tufts College, Mass.*
CHARLES EVANS HUGHES, LL.D. *New York, N. Y.*
WILLIAM VAIL KELLEN, Ph.D., LL.D. *Boston, Mass.*
EDGAR LEWIS MARSTON, A.M. *New York, N. Y.*
SAMUEL HANSON ORDWAY, LL.D. *New York, N. Y.*
CHARLES LEMUEL NICHOLS, M.D., Litt.D. *Worcester, Mass.*

THE BOARD OF TRUSTEES

ARNOLD BUFFUM CHACE, Sc.D. *Providence*
RICHARD MEAD ATWATER, A.M. *Chadds Ford, Pa.*
JOHN CARTER BROWN WOODS, A.M., LL.B. *Providence*
ANDREW JACKSON JENNINGS, A.B., LL.B. *Fall River, Mass.*
OSCAR LAPHAM, A.M. *Providence*
COLGATE HOYT, A.M. *New York, N. Y.*
CORNELIUS SOWLE SWEETLAND, A.M. *Providence*
GEORGE LEWIS COLLINS, Ph.B., M.D. *Providence*

† EUGENE WATERMAN MASON, A.B.	<i>Providence</i>
WILLIAM ENSIGN LINCOLN, A.M.	<i>Pittsburgh, Pa.</i>
HENRY MELVILLE KING, D.D.	<i>Providence</i>
STEPHEN OLNEY METCALF, A.B.	<i>Providence</i>
THEODORE FRANCIS GREEN, A.M.	<i>Providence</i>
WILLIAM WILBERFORCE DOUGLAS, LL.D.	<i>Providence</i>
HENRY DEXTER SHARPE, A.B.	<i>Providence</i>
DANIEL WEBSTER ABERCROMBIE, LL.D.	<i>Worcester, Mass.</i>
EVERETT COLBY, A.M.	<i>West Orange, N. J.</i>
WILLIAM THANE PECK, Sc.D.	<i>Providence</i>
JOHN MAHAN ENGLISH, D.D.	<i>Newton Centre, Mass.</i>
LUCIUS BROWN, Ph.B., LL.B.	<i>Norwich, Conn.</i>
AUGUSTUS LEVI ABBOTT, A.M., LL.D.	<i>St. Louis, Mo.</i>
EDWIN FARNHAM GREENE, A.B.	<i>Boston, Mass.</i>
WILLIAM RICHARDSON DORMAN, A.B., LL.B.	<i>New York, N. Y.</i>
CHARLES SUMNER STEDMAN, Ph.B., LL.B.	<i>Albany, N. Y.</i>
ABEL CHALKLEY COLLINS, A.M.	<i>Great Barrington, Mass.</i>
ZECHARIAH CHAFEE, A.B.	<i>Providence</i>
WILLIAM GAMMELL, A.M.	<i>Providence</i>
WALTER CORNELIUS WYCKOFF, A.B.	<i>New York, N. Y.</i>
ALBERT LYON SCOTT, A.B.	<i>Boston, Mass.</i>
PAUL CHURCHILL DeWOLF, Ph.B.	<i>Providence</i>
ROBERT PERKINS BROWN, A.M.	<i>Providence</i>
JOHN DAVIS SAGE, A.B.	<i>Cincinnati, Ohio</i>
WILLIAM PAINE SHEFFIELD, A.M.	<i>Newport</i>
EDMUND WOOD, A.B.	<i>New Bedford, Mass.</i>
HERBERT HOWARD RICE, A.B.	<i>Detroit, Mich.</i>
ALFRED COTTON BEDFORD	<i>New York, N. Y.</i>

STANDING COMMITTEES OF THE CORPORATION

ADVISORY AND EXECUTIVE

The PRESIDENT, Messrs. CHACE, LAPHAM, SWEETLAND, G. L. COLLINS, KELLEN, MARSTON, SHARPE, GREENE, CHAFEE, WOOD, and SHEFFIELD

ON THE LIBRARY

The PRESIDENT, Messrs. KING, GREEN, and CHAFEE, the LIBRARIAN, Professors MEAD, COLVIN, and FOWLER, C. A. COLLINS, JR.

ON REAL ESTATE

Messrs. CHACE, LAPHAM, and COLLINS.

ON INVESTMENTS

Messrs. METCALF, GAMMELL, SHARPE, GREENE, and DEWOLF.

ON SCHOLARSHIPS

The PRESIDENT, Professors GREENE, HUNTINGTON, POTTER, and ARCHIBALD.

ON PUBLICATIONS

The PRESIDENT, Professors POTTER, BENEDICT, and KOOPMAN, Mr. GUILD.

EXECUTIVE COMMITTEE OF THE WOMEN'S COLLEGE

The PRESIDENT, Messrs. KING, METCALF, and GAMMELL, Dean KING.

COMMITTEE OF MANAGEMENT OF THE JOHN CARTER BROWN LIBRARY

The PRESIDENT, Mrs. JOHN NICHOLAS BROWN, Messrs. W. V. KELLEN, C. L. NICHOLS, and D. B. UPDIKE.

COMMITTEE ON THE COLVER LECTURESHIP

Messrs. CHACE, GREEN, SHARPE, Professors FOWLER, KOOPMAN, POTTER, and WALTER.

BOARD OF MANAGEMENT OF THE BROWN UNION

Messrs. T. CROSBY, JR., F. W. TILLINGHAST, J. P. BARSTOW, and ALFRED K. POTTER.

AUDITORS

Messrs. SHARPE and GREEN.

THE OFFICERS OF ADMINISTRATION AND INSTRUCTION

THE EXECUTIVE OFFICERS

WILLIAM HERBERT PERRY FAUNCE, D.D., LL.D., PRESIDENT
 OTIS EVERETT RANDALL, PH.D., DEAN OF THE UNIVERSITY
 CARL BARUS, PH.D., LL.D., DEAN OF THE GRADUATE DEPARTMENT
 LIDA SHAW KING, A.M., LITT.D., LL.D., DEAN OF THE WOMEN'S COL-
 LEGE
 FREDERICK TAFT GUILD, A.M., REGISTRAR, AND SECRETARY OF THE
 FACULTY
 EDWIN AYLSWORTH BURLINGAME, SC.B., COMPTROLLER

THE FACULTY

WILLIAM HERBERT PERRY FAUNCE, D.D., LL.D.	
<i>President</i>	180 Hope Street
JOHN HOWARD APPLETON, A.M., SC.D.	209 Angell Street
<i>Professor of Chemistry, Emeritus</i>	
WILLIAM CAREY POLAND, A.M., LITT.D.	53 Lloyd Avenue
<i>Professor of the History of Art, Emeritus</i>	
NATHANIEL FRENCH DAVIS, A.M., LL.D.	159 Brown Street
<i>Professor of Pure Mathematics, Emeritus</i>	
ALBERT GRANGER HARKNESS, A.M., LITT.D.	7 Cooke Street
<i>Professor of Roman Literature and History</i>	
HENRY BRAYTON GARDNER, PH.D.	54 Stimson Avenue
<i>Professor of Economics</i>	
COURTNEY LANGDON, A.B.	86 Upton Avenue
<i>Professor of the Romance Languages and Literatures</i>	
WILFRED HAROLD MUNRO, A.M., L.H.D.	115 Butler Avenue
<i>Professor of European History, Emeritus</i>	
OTIS EVERETT RANDALL, PH.D.	65 Weymouth Street
<i>Dean of the University ; Professor of Applied Mathematics</i>	
EDMUND BURKE DELABARRE, PH.D.	9 Arlington Avenue
<i>Professor of Psychology</i>	

- FREDERICK TAFT GUILD, A.M. 9 Oriole Avenue
Registrar, and Secretary of the Faculty
- WALTER COCHRANE BRONSON, A.M., Litt.D. 140 Morris Avenue
Professor of English
- WALTER GOODNOW EVERETT, Ph.D. 550 Broad Street
Professor of Philosophy and Natural Theology; Director of the School of Education
- ASA CLINTON CROWELL, Ph.D. 66 Oriole Avenue
Associate Professor of the Germanic Languages and Literatures
- HARRY LYMAN KOOPMAN, A.M., Litt.D. 76 Taber Avenue
Librarian; Professor of Bibliography
- CARL BARUS, Ph.D., LL.D. 30 Elmgrove Avenue
Dean of the Graduate Department; Hazard Professor of Physics
- FRANCIS GREENLEAF ALLINSON, Ph.D. 163 George Street
David Benedict Professor of Greek Literature and History; Director of the Museum of Fine Arts
- HENRY PARKER MANNING, Ph.D. 69 Weymouth Street
Associate Professor of Pure Mathematics
- JOHN EDWARD HILL, C.E.M., Sc.D. 86 Taber Avenue
Professor of Civil Engineering
- JAMES QUAYLE DEALEY, Ph.D. 872 Hope Street
Professor of Social and Political Science
- WALTER BALLOU JACOBS, A.M. 310 Olney Street
Professor of Education; Director of University Extension
- ALBERT DeFOREST PALMER, Ph.D. 153 Congdon Street
Associate Professor of Physics
- ALBERT DAVIS MEAD, Ph.D., Sc.D. 283 Wayland Avenue
Professor of Biology
- ALBERT KNIGHT POTTER, A.M. 212 Waterman Street
Professor of English
- ALBERT BUSHNELL JOHNSON, A.M. Rehoboth, Mass.
Associate Professor of the Romance Languages
- FREDERIC POOLE GORHAM, A.M. 151 Meeting Street
Professor of Bacteriology
- ARTHUR EUGENE WATSON, Ph.D. 30 Congdon Street
Assistant Professor of Electrical Engineering
- JOHN FRANCIS GREENE, A.M. 48 College Street
Associate Professor of Roman Literature and History
- HENRY THATCHER FOWLER, Ph.D. 127 Lloyd Avenue
Professor of Biblical Literature and History

- † LINDSAY TODD DAMON, A.B. Brown University
Professor of English
- WILLIAM HERBERT KENERSON, M.E., A.M. 100 Morris Avenue
Professor of Mechanical Engineering
- GEORGE WYLLYS BENEDICT, PH.D. 16 John Street
Associate Professor of English
- THOMAS CROSBY, JR., A.M. 123 Waterman Street
Associate Professor of English and Public Speaking
- HENRY BARRETT HUNTINGTON, A.B. 23 John Street
Associate Professor of English
- LIDA SHAW KING, A.M., LITT.D., LL.D. 123 Waterman Street
Dean of the Women's College; Professor of Classical Literature and Archaeology
- FREDERICK WILLIAM MARVEL, PH.B. 281 Olney Street
Professor of Physical Training
- ‡ ANSEL BROOKS, PH.B., M.E. Brown University
Associate Professor of Mechanics and Mechanical Drawing
- CHARLES WILSON BROWN, A.M. 37 Barnes Street
Associate Professor of Geology
- HERBERT EUGENE WALTER, PH.D. 67 Oriole Avenue
Associate Professor of Biology
- ROLAND GEORGE DWIGHT RICHARDSON, PH.D. 44 University Avenue
Professor of Pure Mathematics; Acting Director of the Ladd Observatory
- CHARLES HERMAN HUNKINS, DR. UNIV. PARIS 120 Waterman Street
Assistant Professor of the Romance Languages and Literatures
- PHILIP HENRY MITCHELL, PH.D. 110 Waterman Street
Assistant Professor of Physiology
- RAYMOND CLARE ARCHIBALD, PH.D. 9 Charles Field Street
Associate Professor of Pure Mathematics
- † THEODORE FRELINGHUYSEN COLLIER, PH.D. Brown University
Professor of European History
- † HARDY CROSS, A.B., C.E.M. Brown University
Assistant Professor of Civil Engineering
- HARLAN HARVEY YORK, PH.D. 256 Doyle Avenue
Assistant Professor of Botany
- WILLIAM THOMSON HASTINGS, A.M. Brown University
Assistant Professor of English

† On leave of absence during the academic year 1918-19.

‡ On leave of absence during the second and third terms of the academic year 1918-19.

JOHN CORLISS DUNNING, PH.D.	219 Benefit Street
<i>Assistant Professor of Political Science</i>	
STEPHEN SHELDON COLVIN, PH.D.	372 Lloyd Avenue
<i>Professor of Educational Psychology; Director of the School of Education</i>	
ALFRED HARRISON JONES, PH.D.	101 Medway Street
<i>Assistant Professor of Logic</i>	
ROBERT MCBURNEY MITCHELL, PH.D.	90 Congdon Street
<i>Assistant Professor of the Germanic Languages and Literatures</i>	
JAMES ALEXANDER HALL, A.B., Sc.B.	13 Elton Street
<i>Assistant Professor of Mechanical Engineering</i>	
† KENDALL KERFOOT SMITH, PH.D.	Brown University
<i>Assistant Professor of Greek Literature and History</i>	
CLINTON HARVEY CURRIER, A.M.	311 Wayland Avenue
<i>Assistant Professor of Mathematics</i>	
ROBERT FOSTER CHAMBERS, PH.D.	104 Irving Avenue
<i>Assistant Professor of Chemistry</i>	
ST. GEORGE LEAKIN SIOUSSAT, PH.D.	123 Waterman Street
<i>George L. Littlefield Professor of American History</i>	
CHARLES WHEATON ABBOT, COLONEL U. S. ARMY, RETIRED	
<i>Professor of Military Science and Tactics</i>	Brown University
SAMUEL TOMLINSON ARNOLD, PH.D.	175 Thayer Street
<i>Assistant Professor of Chemistry</i>	
JOHN RICHARD EDWARDS, REAR ADMIRAL U. S. NAVY, RETIRED	
<i>Commanding Officer of the Naval Unit</i>	Brown University
THEODORE HENRY BROWN, PH.D.	79 Taber Avenue
<i>Assistant Professor of Nautical Science</i>	
HAROLD STEPHEN BUCKLIN, PH.D.	76 Olive Street, Pawtucket
<i>Assistant Professor of Social Science</i>	
ELMER CUMMINGS GRIFFITH, PH.D.	120 Waterman Street
<i>Acting Professor of History</i>	
FREDERICK SLOCUM, PH.D.	44 University Avenue
<i>Professor of Nautical Science</i>	
HERBERT FRANKLIN DAVISON, A.M.	
<i>Assistant Professor of Chemistry</i>	41 Sumner Street, Pawtucket
SYDNEY WILMOT, Sc.B., A.M.	63 Elmgrove Avenue
<i>Assistant Professor of Applied Mechanics</i>	
JOHN SHAPLEY, PH.D.	309 Huntington Avenue, Boston, Mass.
<i>Instructor in Art</i>	

† On leave of absence during the academic year 1918-19.

- EDOUARD R. MASSEY, B. ÈS LETTRES 203 University Avenue
Instructor in French
- ALVIN HARVEY HANSEN, PH.D. 654 Hope Street
Instructor in Economics
- RICHARD MONTGOMERY FIELD, Sc.B., A.M. 16 Alveston Street
Instructor in Geology
- ARTHUR FRANCIS BUDDINGTON, PH.D. 120 Waterman Street
Instructor in Geology
- MYRON WHITMARSH FINCH, Sc.B. 195 Morris Avenue
Instructor in Physical Training
- JOSEPH OTIS FULLER, Sc.B. 283 Brook Street
Instructor in Engineering
- KENNETH OLIVER MASON, A.M. 50 Maynard Street, Pawtucket
Instructor in English
- WILLIAM RUSSELL BURWELL, A.M. 5 Rhode Island Avenue
Instructor in Mathematics
- THEODORE ARTHUR CORNELL, A.M. 180 Bayview Avenue, Edgewood
Instructor in Mathematics
- ALBERT BOWES FRIZELL, PH.D. 63 Charles Field Street
Instructor in Mathematics
- FREDERICK NEALE TOMPKINS, Sc.B. 35 White Street, Pawtucket
Instructor in Electrical Engineering
- JAMES RUSSELL ESTY, PH.D. Brown University
Instructor in Military Training
- ISAAC GALLUP SMITH, Sc.B. North Slater Hall
Instructor in Mechanical Engineering
- ARTHUR EARL BARNARD, PH.D. 73 Verndale Avenue
Instructor in Organic Chemistry
- ALFRED DOUGLAS BORDEN, CAPTAIN CANADIAN INFANTRY Brown University
Instructor in Military Training
- CLARENCE RICHARD JOHNSON, A.B. 161 Anthony Street, East Providence
Instructor in Social Science
- ALBERT EDWARD DILLINGHAM, PH.B. 14 Brunonia Hall
Instructor in Chemistry
- CLARENCE RAYMOND ADAMS, A.B. 17 Glenwood Avenue, Eden Park
Instructor in Mathematics
- DONALD LE CRONE McMURRAY 41 George Street
Instructor in History
- GROVER CLEVELAND LOUD, A.B. 92 Williams Street
Instructor in English

OFFICERS OF ADMINISTRATION AND INSTRUCTION 19

BERT EMSLEY, A.B. <i>Instructor in English</i>	92 Williams Street
ARCHIE HAHN, LL.B. <i>Instructor in Physical Training</i>	Brown University

INSTRUCTORS IN THE WOMEN'S COLLEGE

HELEN BARNES WHITING, A.B. <i>Instructor in Biology in the Women's College</i>	118 Cushing Street
M. ELIZABETH BATES <i>Instructor in Hygiene and Physical Education in the Women's College</i>	118 Cushing Street

OTHER OFFICERS OF INSTRUCTION AND ADMINISTRATION

LECTURERS AND DEMONSTRATORS

EDWIN ERNEST WILDE <i>Lecturer in Music</i>	100 Charles Field Street
MARION EMMETT BRATCHER, PH.D. <i>Lecturer in Biblical Literature and History</i>	38 Benevolent Street
GEORGE FRANK HAMILTON, B.C.S. <i>Lecturer in Economics</i>	East Greenwich
JOHN BURNHAM FERGUSON, A.B., M.D. <i>Demonstrator in Anatomy</i>	369 Broad Street
JAMES FRANKLIN COLLINS, PH.B. <i>Demonstrator in Botany</i>	468 Hope Street

ASSISTANTS

REGINALD GORDON HARRIS, A.M. <i>Assistant in Biology</i>	48 College Street
WILLIAM WALKER RUSSELL, PH.B. <i>Assistant in Chemistry</i>	East Providence
JAMES WALTER WILSON, PH.B. <i>Assistant in Biology</i>	Brown University
ROSS HADLEY <i>Assistant in Pattern Making</i>	568 Power Road, Pawtucket
ROSS ELMER BROWNING <i>Assistant in Physical Training</i>	Brown University
GEORGE FRANKLIN HERRICK <i>Assistant in Physical Training</i>	Brown University

BROWN UNIVERSITY

ADMINISTRATIVE OFFICERS

EDWIN AYLSWORTH BURLINGAME, Sc.B.	259 Benefit Street
<i>Comptroller and Superintendent of Grounds and Buildings</i>	
THOMAS BAIRD APPEGET, Ph.B.	175 Thayer Street
<i>Executive Secretary</i>	
EMMA BRADFORD STANTON, A.M.	706 Hope Street, Bristol
<i>Registrar of the Women's College</i>	
SUSAN EMMA HILL	238 Gano Street
<i>Assistant Registrar</i>	
JOHN HENRY ASHTON	46 Pitman Street
<i>Assistant Superintendent of Grounds and Buildings</i>	

LIBRARY STAFF

PHEBE PARKER, A.B.	5 Congdon Street
<i>Cataloguer</i>	
EDITH RICHMOND BLANCHARD, A.M.	591 Angell Street
<i>Reference Librarian</i>	
ALICE INEZ McMEEHAN, A.M.	14 Pearl Avenue, Rumford
<i>Assistant Cataloguer</i>	
EDITH MARIE LINNÉA CARLBORG, A.M.	124 Atlantic Avenue
<i>Special Cataloguer in History</i>	
DOROTHY FOSTER, A.B.	64 Beckwith Street
<i>Serial Clerk</i>	
GRACE THOMAS GRISWOLD	196 Blackstone Boulevard
<i>Loan Desk Assistant</i>	
HOPE PEIRCE LITCHFIELD	30 Beckwith Street, Auburn
<i>Order Clerk</i>	
GERTRUDE ELIZABETH ROBSON, Sc.B.	441 Angell Street
<i>Assistant Librarian of the John Carter Brown Library</i>	
ELEANOR STUART UPTON, A.M.	30 Forest Street
<i>Cataloguer in the John Carter Brown Library</i>	
GENE WILDER WARE, A.B.	72 Charles Field Street
<i>Organist and Director of Chapel Music</i>	
RAYMOND GILBERT BUGBEE, M.D.	223 Thayer Street
<i>Physician to the University</i>	

STANDING COMMITTEES OF THE FACULTY

ON REGISTRATION AND ATTENDANCE

Dean RANDALL, Professors DELABARRE, HILL, FOWLER, HUNTINGTON, and HUNKINS, Dean KING, Mr. GUILD.

ON THE CURRICULUM

Professors MEAD, HARKNESS, GARDNER, RANDALL, EVERETT, COLVIN, and RICHARDSON.

ON STUDENT ORGANIZATIONS

Professors DELABARRE, LANGDON, HILL, POTTER, MARVEL, and BENEDICT.

ON STUDENT ADVISERS

Professors GREENE, CROSBY, BROWN, and P. H. MITCHELL.

ON SCHEDULES

Mr. GUILD, Professors HILL, GORHAM, and FOWLER.

ON UNIVERSITY EXTENSION

Professors JACOBS, DEALEY, KENERSON, WALTER, COLLIER, and JONES.

OFFICE HOURS

THE PRESIDENT. 11 Administration Building (*for students*, 9 Administration Building): *10.30 a.m. to 12 m., except Saturdays.*

THE DEAN OF THE UNIVERSITY. 7 Administration Building: *1.45 to 3 p.m., except Saturdays.*

THE REGISTRAR, AND SECRETARY OF THE FACULTY. 1 Administration Building: *11 a.m. to 12 m., 3.15 to 4 p.m.*

THE ASSISTANT REGISTRAR. 4 Administration Building: *8.30 a.m. to 1 p.m., 2.30 to 4 p.m.; Saturdays 8.30 a.m. to 1 p.m.*

THE COMPTROLLER. 3 University Hall: *9 to 10 a.m. daily; 2 to 2.30 p.m., except Saturdays.*

THE DEAN OF THE GRADUATE DEPARTMENT. 5 Wilson Hall: *12.20 to 1.20 p.m., and 3.20 to 4.20 p.m.*

THE LIBRARIAN OF THE UNIVERSITY. The John Hay Library: *9 to 10 a.m., 3 to 4 p.m.; Saturdays 9 to 10 a.m.*

THE LIBRARIAN OF THE JOHN CARTER BROWN LIBRARY. The John Carter Brown Library: *9 a.m. to 5 p.m.*

THE DIRECTOR OF UNIVERSITY EXTENSION. The John Hay Library: *11.30 a.m. to 12 m. Mondays, Wednesdays, Fridays; 5 p.m. Fridays; 12.30 p.m. Saturdays.*

THE SUPERINTENDENT OF GROUNDS AND BUILDINGS. 1 University Hall: 9 to 10 a.m. daily; 2 to 2.30 p.m., except Saturdays.

THE DEAN OF THE WOMEN'S COLLEGE. Pembroke Hall: 10.15 to 11.15 a.m. Tuesdays and Thursdays; 11.15 a.m. to 12.15 p.m. Mondays and Fridays.

THE REGISTRAR OF THE WOMEN'S COLLEGE. Pembroke Hall: 9.15 a.m. to 1.15 p.m., 2.30 to 5 p.m.; Saturdays 9.15 a.m. to 1 p.m.

THE UNIVERSITY PHYSICIAN. R. G. BUGBEE, M.D. 223 Thayer Street: 2 to 4 p.m., 7 to 8 p.m. Telephone Angell 2660-W.

THE ABSENCE COMMITTEE. H. B. HUNTINGTON, Secretary. 5 Administration Building: 9.30 to 10.30 a.m. Mondays, Wednesdays, Fridays; 3 to 4 p.m. Mondays, Tuesdays, Thursdays, Fridays.

THE SUPERVISOR OF ATHLETIC ORGANIZATIONS. F. W. MARVEL. The Gymnasium: 9 to 10 a.m., 2 to 3 p.m.

THE PUBLICITY COMMITTEE. 9 Administration Building: 10 a.m. to 12 m.

THE KEEPER OF GRADUATE RECORDS. 9 Administration Building.

THE EXECUTIVE SECRETARY. T. B. APPEGET, 9 Administration Building: 10 a.m. to 12 m.

At the close of the one hundred and forty-ninth Commencement of the University, in 1918, there were enrolled the names of 8508 graduates—7585 men and 923 women. Of this number, 7504 had received the academic first degree; 232, exclusive of the foregoing, had received advanced degrees; 69, not previously reckoned, had received the degree of Doctor of Medicine; 703 others had received honorary degrees. Of the entire number, 5047, or 59.32 per cent., were living.

ADMISSION TO THE UNIVERSITY

METHODS OF ADMISSION TO THE FRESHMAN CLASS

ENTRANCE EXAMINATIONS CONDUCTED BY THE UNIVERSITY. Examinations for admission to the Freshman class are given by the University in September and at mid-year. Candidates desiring to be examined in June must take the examinations conducted by the College Entrance Examination Board; see page 24. A candidate may, at his option, take all his examinations in June or in September, or he may take part in June and part in September.

Before taking any examination conducted by the University, a candidate must make written application to the Registrar, on a blank provided for the purpose, and secure a card admitting him to the examination. This may be done by correspondence, provided that the application is received not less than one week before the date of the first examination. A letter of recommendation from the principal of the preparatory school must be filed with the application.

Any of these examinations may be taken one year before the candidate expects to enter college.

No credit beyond admission is given for certificates from preparatory schools or the New York Board of Regents, or for entrance examinations conducted by the College Entrance Examination Board or the University.

If a candidate offers subjects in excess of those required for admission and desires to obtain credit for them as college subjects, he may apply to the Committee on Registration and Attendance for information regarding special examinations for advanced standing. Such examinations are not given in all preparatory subjects.

Examinations for advanced standing should be taken during the regular examination period in September. No student will be allowed to take such examinations after the beginning of the second year.

The mid-year examinations will be held in Rhode Island Hall, Room 1; the September examinations will be held in Sayles Hall.

The order of the examinations in 1919 will be as follows:

JANUARY 18, 1919, and SEPTEMBER 16, 1919

Elementary Algebra 1, 8 a.m. to 10 a.m.; *Elementary Algebra 2*, 8 a.m. to 10 a.m.; *Plane Geometry*, 10 a.m. to 12 m.; *Two-year Latin*, 1 p.m. to 3 p.m.; *Elementary Latin*, 1 p.m. to 3 p.m.; *Advanced Latin*, 3.30 p.m. to 5 p.m.

JANUARY 20, 1919, and SEPTEMBER 17, 1919

English 1, 8 a.m. to 10 a.m.; *English 2*, 10 a.m. to 12 m.; *Chemistry*, 1 p.m. to 3 p.m.; *Ancient History*, 3.30 p.m. to 5.30 p.m.

JANUARY 21, 1919, and SEPTEMBER 18, 1919

Elementary German (First year), 8 a.m. to 10 a.m.; *Elementary German (Sec-*

ond year), 10 a.m. to 12 m.; *Intermediate German*, 1 p.m. to 3 p.m.; *American History*, 3.15 p.m. to 5.15 p.m.; *Physiography*, 5.30 p.m. to 7.30 p.m.

JANUARY 22, 1919, and SEPTEMBER 19, 1919

Elementary French (First year), 8 a.m. to 10 a.m.; *Elementary French (Second year)*, 10 a.m. to 12 m.; *Intermediate French*, 1 p.m. to 3 p.m.; *Astronomy*, 3.15 p.m. to 5.15 p.m.; *Elementary Italian (First year)*, 3.15 p.m. to 5.15 p.m.; *English History*, 5.30 p.m. to 7.30 p.m.

JANUARY 23, 1919, and SEPTEMBER 20, 1919

Plane Trigonometry, 8 a.m. to 10 a.m.; *Solid Geometry*, 10 a.m. to 12 m.; *Advanced Algebra*, 1 p.m. to 3 p.m.; *Elementary Italian (Second year)*, 3.15 p.m. to 5.15 p.m.; *Physics*, 3.15 p.m. to 5.15 p.m.; *Botany*, 5.30 p.m. to 7.30 p.m.; *Intermediate Italian*, 5.30 p.m. to 7.30 p.m.

JANUARY 24, 1919, and SEPTEMBER 22, 1919

Elementary Greek, 8 a.m. to 10 a.m.; *Elementary Spanish (First year)*, 8 a.m. to 10 a.m.; *Advanced Greek*, 10 a.m. to 11.30 a.m.; *Elementary Spanish (Second year)*, 10 a.m. to 12 m.; *Medieval and Modern History*, 1 p.m. to 3 p.m.; *Intermediate Spanish*, 3.30 p.m. to 5.30 p.m.

ENTRANCE EXAMINATIONS CONDUCTED BY THE COLLEGE ENTRANCE EXAMINATION BOARD. Examinations conducted by the College Entrance Examination Board are accepted in place of the corresponding examinations conducted by Brown University, provided they are passed with a grade of at least 60 per cent. In 1919 these examinations will be held June 16-21.

In June, 1919, there will be separate blank forms for the "application for examination" and "certificate of recommendation." The former should be sent to the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., the latter to the Registrar of the University. Both forms may be obtained from the Secretary of the Board upon request by mail. Applications for examination at points in the United States east of the Mississippi River, or on the Mississippi River, must be received by the Secretary on or before May 26, 1919; applications for examination elsewhere in the United States must be received on or before May 19, 1919; and applications for examinations at points outside the United States must be received on or before May 5, 1919. When the candidate has failed to obtain the required blank form of application for examination, the usual examination fee will be accepted if the fee arrive not later than the specified date accompanied by a memorandum containing the name and address of the candidate, the examination centre at which he wishes to present himself, and a list of all the subjects in which he desires to take the examinations.

The examination fee is \$6 for candidates examined in the United States and Canada, and \$20 for candidates examined outside of the United States and

Canada. The fee, which must be sent with the application, should be remitted by postal order, express order, or draft on New York, to the order of the College Entrance Examination Board.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidates concerned, but only upon the payment of \$6 in addition to the regular fee.

A list of the places at which examinations are to be held by the Board in June, 1919, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

ADMISSION BY CERTIFICATE. In place of examinations, certificates are accepted from any school which has the privilege of issuing certificates to Brown University. Certificates are accepted for admission to the Freshman class only, not for admission to advanced standing.

Principals of schools in New England who desire the certificate privilege for Brown University, or for any other college which is a member of the New England College Entrance Certificate Board, should address the Secretary of the Board, Professor Frank W. Nicolson, Wesleyan University, Middletown, Conn., who will furnish the necessary application blanks. These blanks must be returned to him before April 1 of the year for which the certificate privilege is desired.

Principals of schools situated outside of New England who desire the certificate privilege must make application to the Registrar of the University before May 1, if possible, and must furnish full and detailed information regarding the courses of study, teachers, pupils, library, laboratories, apparatus, etc. Blank forms for this purpose will be supplied on request. If this statement is satisfactory, the school will be placed on the accredited list for a period of from one to three years. At the expiration of this period, or whenever the principal of the school is changed or a change in policy is instituted, a new application for the certificate privilege must be made.

Certificates from the New York Board of Regents are accepted for the specified subjects so far as they coincide with the entrance requirements of Brown University.

Blank forms for the certification of candidates may be obtained from the Registrar by the principals of schools having the privilege of certification. These forms should be filled out and returned to him by July 1 for students intending to enter in September, or before January 15 for students intending to enter at mid-year. When a student has attended more than one school, a letter of recommendation from the principal of the school last attended must accompany the certificate.

ADMISSION AT MID-YEAR

On account of the increasing number of applications from the mid-winter grad-

uates of high schools and academies, arrangements have been made whereby applicants for admission to the courses leading to the degrees of Bachelor of Arts and Bachelor of Philosophy will be admitted at the beginning of the second semester. For detailed statements regarding requirements for admission, entrance examinations, registration and enrolment, and payment of bills, see pages 23-25, 47, 48, 127-130. Such necessary readjustments have been made in the present curriculum as will enable students to arrange a satisfactory schedule of subjects.

ENTRANCE REQUIREMENTS

ENTRANCE UNITS. A unit in any subject represents a year's study, constituting approximately a quarter of a full year's work in a secondary school.

This statement is designed to afford a standard of measurement for the work done in secondary schools. It takes the four-year high school course as a basis, and assumes that the length of the school year is from thirty-six to forty weeks, that a period is from forty to sixty minutes in length, and that the study is pursued for four or five periods a week; but under ordinary circumstances, a satisfactory year's work in any subject cannot be accomplished in less than one hundred and twenty sixty-minute periods or their equivalent. Schools organized on any other than a four-year basis can, nevertheless, estimate their work in terms of this unit.

SUBJECTS REGULARLY ACCEPTED FOR ADMISSION

	<i>Units</i>		<i>Units</i>
English 1 (Grammar and Composition)	1½	Intermediate German	1
English 2 (Literature)	1½	Elementary Spanish (First year)	1
Ancient History	1	Elementary Spanish (Second year)	1
Medieval and Modern European History	1	Intermediate Spanish	1
English History	1	Elementary Italian (First year)	1
American History and Civil Government	1	Elementary Italian (Second year)	1
Two-year Latin	2	Intermediate Italian	1
Elementary Latin	3	Elementary Algebra 1	1
Advanced Latin	1	Elementary Algebra 2	½
Elementary Greek	2	Advanced Algebra	½
Advanced Greek	1	Plane Geometry	1
Elementary French (First year)	1	Solid Geometry	½
Elementary French (Second year)	1	Plane Trigonometry	½
Intermediate French	1	Physics	1
Elementary German (First year)	1	Chemistry	1
Elementary German (Second year)	1	Botany	1
		Physiography	1
		Astronomy (for Sc.B. only)	1

UNLISTED SUBJECTS. With the approval of the Committee on Registration and Attendance, subjects not on the regular list, but included in the curriculum of an approved school, may be presented by certificate; provided:

(1) that the candidate is a graduate of the school on a four-year course; (2) that the grade for certification is the same as for the listed subjects; (3) that the aggregate value of such subjects does not exceed three units for the degree of Bachelor of Arts or Bachelor of Science, or four units for the degree of Bachelor of Philosophy.

ENTRANCE REQUIREMENTS FOR THE VARIOUS DEGREES

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS. Candidates must present fourteen and one-half units as follows: three in English; one and one-half in Algebra; one in Plane Geometry; one in Ancient History; ‡ five in languages other than English (including the elementary and advanced requirement in either Latin or Greek); and three in elective subjects. §

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF PHILOSOPHY. Candidates must present fourteen and one-half units as follows: three in English; one and one-half in Algebra; one in Plane Geometry; one in History; three in languages other than English, with at least two units in one language; one from Mathematics, or Language, or History, or Chemistry, or Physics; four in elective subjects. §

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE. ¶ Candidates must present fourteen units as follows: three in English; one and one-half in Algebra; one in Plane Geometry; one-half in Solid Geometry; one in History; four from the following subjects: Chemistry, Physics, Languages other than English; and three in elective subjects. §

ENTRANCE REQUIREMENTS IN THE SEVERAL SUBJECTS ¶

ENGLISH. *Three units.* Preparation in English has two main objects, of equal importance: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

GRAMMAR AND COMPOSITION. The first object requires instruction in grammar

‡ A candidate for the degree of Bachelor of Arts may present Medieval and Modern History, English History, or American History, in place of Ancient History; but if he does, he must take the course in Classical Civilization in the Freshman or Sophomore year.

§ Elective subjects, with the approval of the Committee on Registration, may be taken from subjects not on the regular list.

¶ The degree of Bachelor of Science is given only for engineering courses. The work is mainly technical, but offers some freedom of election.

¶ The following statements are condensations of those in the Report of the College Entrance Examination Board. Teachers are advised to consult this report.

and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in all written work during the whole course. The principles governing punctuation, diction, sentences, paragraphs, and the whole composition should be carefully studied; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise letter-writing, narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Special instruction in language and composition should be accompanied by concerted effort of teachers, whatever subjects they teach, to cultivate in the student the habit of using good English in all recitations and exercises, whether oral or written.

LITERATURE. The second object requires the reading and study of certain books chosen from two lists, headed respectively *Reading* and *Study*. The student should be trained in reading aloud, and should be encouraged to commit to memory some of the more notable passages both in verse and in prose. He should learn the most important facts in the lives of the authors whose works he reads, and know their place in literary history. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and the charm of what he reads.

The books chosen from the list for *Study* should be read with special care, greater stress being laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

FOR STUDENTS ENTERING IN 1918 OR 1919

Reading

At least two selections are to be made from each of the following groups, except as otherwise provided under Group I.

GROUP I. CLASSICS IN TRANSLATION. The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the *Aeneid*. The *Odyssey*, the *Iliad*, and the *Aeneid* should be read in English translations of recognized literary excellence.

For any selection from this group a selection from any other group may be substituted.

GROUP II. DRAMA. Shakspeare: *A Midsummer Night's Dream*; *The Merchant of Venice*; *As You Like It*; *Twelfth Night*; *The Tempest*; *Romeo and Juliet*;

King John; *Richard the Second*; *Richard the Third*; *Henry the Fifth*; *Coriolanus*; ‡*Julius Caesar*; ‡*Macbeth*; ‡*Hamlet*.

GROUP III. PROSE FICTION. Malory: *Morte d'Arthur* (about 100 pages); Bunyan: *Pilgrim's Progress*, Part I; Swift: *Gulliver's Travels* (voyages to Lilliput and Brobdingnag); Defoe: *Robinson Crusoe*, Part I; Goldsmith: *The Vicar of Wakefield*; Frances Burney: *Evelina*; Scott's Novels, any one; Jane Austen's Novels, any one; Maria Edgeworth: *Castle Rackrent* or *The Absentee*; Dickens's Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Mrs. Gaskell: *Cranford*; Kingsley: *Westward Ho!* or *Hereward, the Wake*; Reade: *The Cloister and the Hearth*; Blackmore: *Lorna Doone*; Hughes: *Tom Brown's School Days*; Stevenson: *Treasure Island*, or *Kidnapped*, or *The Master of Ballantrae*; Cooper's Novels, any one; Poe: *Selected Tales*; Hawthorne: *The House of the Seven Gables*, or *Twice Told Tales*, or *Mosses from an Old Manse*; a collection of *Short Stories* by various standard writers.

GROUP IV. ESSAYS, BIOGRAPHY, ETC. Addison and Steele: *The Sir Roger de Coverley Papers* or selections from *The Tatler* and *The Spectator* (about 200 pages); Boswell: *Selections from the Life of Johnson* (about 200 pages); Franklin: *Autobiography*; Irving: *Selections from the Sketch Book* (about 200 pages), or *Life of Goldsmith*; Southey: *Life of Nelson*; Lamb: *Selections from the Essays of Elia* (about 100 pages); Lockhart: *Selections from the Life of Scott* (about 200 pages); Thackeray: *Lectures on Swift, Addison, and Steele*, in the *English Humourists*; Macaulay: any one of the following essays: *Lord Clive*, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederic the Great*, *Madame d'Arblay*; Trevelyan: *Selections from the Life of Macaulay* (about 200 pages); Ruskin: *Sesame and Lilies* or selections (about 150 pages); Dana: *Two Years before the Mast*; Lincoln: *Selections*, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman: *The Oregon Trail*; Thoreau: *Walden*; Lowell: *Selected Essays* (about 150 pages); Holmes: *The Autocrat of the Breakfast Table*; Stevenson: *An Inland Voyage and Travels with a Donkey*; Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; a collection of *Essays* by Bacon, Lamb, De Quincey, Hazlitt, Emerson, and later writers; a collection of *Letters* by various standard writers.

GROUP V. POETRY. Palgrave: *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave: *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen under *Study*); Goldsmith:

‡ If not chosen under *Study*.

The Traveller and *The Deserted Village*; Pope: *The Rape of the Lock*; a collection of English and Scottish Ballads, as, for example, some *Robin Hood* ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick* and *Grahame*, *Sir Patrick Spens*, and a selection from later ballads; Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron: *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Scott: *The Lady of the Lake* or *Marmion*; Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *An Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, “*De Gustibus*”—, *Instans Tyrannus*; Arnold: *Sohrab and Rustum* and *The Forsaken Merman*; selections from American Poetry, with especial attention to Poe, Lowell, Longfellow, and Whittier.

Study

One selection is to be made from each of the following groups.

GROUP I. DRAMA. Shakspeare: *Julius Caesar*; *Macbeth*; *Hamlet*.

GROUP II. POETRY. Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III. ORATORY. Burke: *Speech on Conciliation with America*; Macaulay: *Speech on Copyright*, and Lincoln: *Speech at Cooper Union*; Washington: *Farewell Address*, and Webster: *First Bunker Hill Oration*.

GROUP IV. ESSAYS. Carlyle: *Essay on Burns*, with a selection from Burns's Poems; Macaulay: *Life of Johnson*; Emerson: *Essay on Manners*.

EXAMINATION. The examination will be divided into two parts, one of which (English 1) will be on grammar and composition, and the other (English 2) on literature.

In grammar and composition, the candidate may be asked to construe sentences, to parse words, and to correct mistakes in usage. The main test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books listed above under *Reading*, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. Several subjects for essays, perhaps eight or ten, will be given, from which the candidate may make his own selections.

The examination in literature will include: (1) General questions designed

to test such a knowledge and appreciation of literature as may be gained by fulfilling the requirements defined under *Reading* above. *The candidate will be required to present to the examiner a list of the books read in preparation for the examination, certified by the principal of the school in which he was prepared;* but this list will not be made the basis of detailed questions. (2) More particular questions upon the content, form, and structure of the books prescribed for *Study*, and upon the meaning of such words, phrases, and allusions as may be necessary to an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, grammar, or other essentials of good usage.

These requirements are the same as those of the College Entrance Examination Board in English.

FOR STUDENTS ENTERING IN 1920, 1921, OR 1922

Candidates will have the option of taking either of two examinations: (1) a "Comprehensive" examination; (2) a "Restricted" examination, based in part on a prescribed list of books. Each examination will be divided into two parts, one of which will be on grammar and composition, and the other on literature.

GRAMMAR AND COMPOSITION. In both the Comprehensive and the Restricted examination the test in Grammar and Composition will be of the kind described above, for students entering in 1918 or 1919.

LITERATURE. *Comprehensive Examination.* This examination is intended to test the candidate's ability to understand and appreciate good literature. Selections in prose and verse which the candidate presumably has not read will be set before him, and questions will be asked about their content and form. The candidate will be expected to explain the meaning of passages of some difficulty; to distinguish between different styles and verse forms; and to show a knowledge of the simpler principles of structure in novels and plays. It will therefore be necessary for him to have read with care a considerable amount of literature of the kind indicated in the lists of books for *Reading* given above, to which may be added the following:

GROUP II. DRAMA. *Everyman*; Goldsmith: *She Stoops to Conquer*; Sheridan: *The Rivals*.

GROUP III. PROSE FICTION. Reade: *Griffith Gaunt*; Lytton: *The Last Days of Pompeii*; Stevenson: *Dr. Jekyll and Mr. Hyde*; Kipling: *Kim*, *Captains Courageous*, *The Jungle Books*; Howells: *The Rise of Silas Lapham*, *A Boy's Town*;

Wister: *The Virginian*; Cable: *Old Creole Days*; Short Stories by Bret Harte, Aldrich, Page, Hale, Barrie, and other good writers.

GROUP IV. ESSAYS, BIOGRAPHY, ETC. Washington: *Farewell Address*; Burke: *Speech on Conciliation with America*; Macaulay: *Essay on the Life of Johnson*; *Speech on Copyright, Chapter III of the History of England*; Carlyle: *Essay on Burns*; Webster: *First Bunker Hill Oration*; Emerson: *Manners, Self-Reliance*; Burroughs: *Selected Essays*; Warner: *In the Wilderness*; Curtis: *Prue and I, The Public Duty of Educated Men*; Hudson: *Idle Days in Patagonia*; Clemens: *Life on the Mississippi*; Riis: *The Making of an American*; Bryce: *The Hindrances to Good Citizenship*.

GROUP V. POETRY. Milton: *L'Allegro, Il Penseroso, Comus, Lycidas*; Tennyson: *The Coming of Arthur, The Holy Grail*; Arnold: *Balder Dead*.

These suggestions are not intended to be in any sense prescriptive: they indicate by examples the kind of literature that pupils should be taught to appreciate.

LITERATURE. *Restricted Examination*. This examination will be of the kind described above, on pages 30, 31, for students entering in 1918 or 1919. Two selections are to be made from each group under *Reading*, and one selection from each group under *Study*. The candidate will be required to present to the examiner a certified list of the books read in preparation for the examination.

Reading

GROUP I. CLASSICS IN TRANSLATION. The same as Group I, on page 28, with the omission of the *Iliad*.

GROUP II. DRAMA. Shakspeare: *The Merchant of Venice, As You Like It, Julius Caesar*.

GROUP III. PROSE FICTION. Dickens: *A Tale of Two Cities*; George Eliot: *Silas Marner*; Scott: *Quentin Durward*; Hawthorne: *The House of the Seven Gables*.

GROUP IV. ESSAYS, BIOGRAPHY, ETC. Addison and Steele: *The Sir Roger de Coverley Papers*; Irving: *The Sketch Book* (selections, about 175 pages); Parkman: *The Oregon Trail*.

GROUP V. POETRY. Selections from Tennyson and Browning as in Group V, on pages 29, 30; Scott: *The Lady of the Lake*; Coleridge: *The Ancient Mariner*; Arnold: *Sohrab and Rustum*.

Study

GROUP I. DRAMA. Shakspeare: *Macbeth, Hamlet*.

GROUP II. POETRY. Milton: *L'Allegro, Il Penseroso, Comus*; Palgrave: *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley.

GROUP III. ORATORY. Burke: *Speech on Conciliation with America*; Washington: *Farewell Address*; Webster: *First Bunker Hill Oration*; Lincoln: *Gettysburg Address*.

GROUP IV. ESSAYS. Macaulay: *Life of Johnson*; Carlyle: *Essay on Burns*, with a brief selection from Burns's Poems.

However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, grammar, or other essentials of good usage.

These requirements are the same as those of the College Entrance Examination Board in English.

MATHEMATICS. ELEMENTARY ALGEBRA 1. *One unit.* The requirement includes the following subjects: the four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions, and ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negative. 2. *One-half unit.* The requirement includes quadratic equations, both numerical and literal; simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations; the binomial theorem for positive integral exponents; the formulae for the n th term, and the sum of the terms, of arithmetical and geometric progressions, with applications.

To fulfil the entrance requirement in Elementary Algebra both 1 and 2 must be presented. It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life. The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

This requirement is the same as that of the College Entrance Examination Board in Mathematics *a* (i and ii).

PLANE GEOMETRY. *One unit.* The requirement in Plane Geometry covers the usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle; the solution of numerous original exercises, including loci problems; applications to the mensuration of lines and plane surfaces.

Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. Mere memorizing should be avoided. Special care should be taken that in the proof of a proposition no lines be drawn unless their construction is proved to be possible.

This requirement is the same as that of the College Entrance Examination Board in Mathematics *c*.

SOLID GEOMETRY. *One-half unit.* The requirement in Solid Geometry covers the usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurements of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle; the solution of numerous original exercises, including loci problems; applications to the mensuration of surfaces and solids.

This requirement is the same as that of the College Entrance Examination Board in Mathematics *d*.

PLANE TRIGONOMETRY. *One-half unit.* The requirement in Plane Trigonometry includes definitions and relations of the six trigonometric functions as ratios; circular measurement of angles; proofs of principal formulae, in particular for the sine, cosine, and tangent of the sum and difference of two angles, of the double angle and half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulae; the solution of trigonometric equations of a simple character; the theory and use of logarithms (without the introduction of work involving infinite series); the solution of right and oblique triangles; practical applications.

This requirement is the same as that of the College Entrance Examination Board in Mathematics *f*.

ADVANCED ALGEBRA. *One-half unit.* The requirement in Advanced Algebra includes permutations and combinations, limited to simple cases; complex numbers, with graphical representation of sums and differences; determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations; numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes's rule of signs and Horner's method, but not Sturm's functions or multiple roots.

This requirement is the same as that of the College Entrance Examination Board in Mathematics *b*.

LATIN. ‡ **ELEMENTARY LATIN.** *Three units.* The reading without the prescription of particular authors and works shall not be less in amount than Caesar, *Gallie War*, Books I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias. The reading shall be selected from the following authors and works: Caesar, *Gallie War* and *Civil War*, and Nepos, *Lives*; Cicero, orations, letters, and *De Senectute*, and Sallust, *Catiline* and *Jugurthine War*.

‡ For students presenting by examination the full four-unit requirement in Latin, the examinations of the College Entrance Examination Board in Latin 1, 2, 4, 5 will be accepted.

Candidates will be examined in translation at sight of passages from Caesar and Cicero. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above. They will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias.

The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

The words, constructions, and range of ideas called for in the examination in composition will be such as are common in the reading of the years covered by the examination.

This requirement is the same as that of the College Entrance Examination Board in Latin 1, 2, 4.

ADVANCED LATIN. One unit. The reading shall not be less in amount than Virgil, *Aeneid*, Books I-VI. This reading shall be selected from Virgil, *Bucolics*, *Georgics*, and *Aeneid*, and Ovid, *Metamorphoses*, *Fasti*, and *Tristia*.

Candidates will be examined in translation at sight of passages from Virgil and Ovid. They will be examined also upon the following prescribed reading: Virgil, *Aeneid*, Books I, II, and either IV or VI, at the option of the candidate. The examination will include questions on subject-matter and meter.

This requirement is the same as that of the College Entrance Examination Board in Latin 5, 6.

TWO-YEAR LATIN. Two units. The reading should not be less in amount than Caesar, *Gallie War*, Books I-IV, and should be selected by the schools from Caesar, *Gallie War* and *Civil War*, and Nepos, *Lives*. Candidates will be examined in translation at sight of passages from the above authors, and in grammar and composition.

The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose.

The words, constructions, and range of ideas called for in the examination in composition will be such as are common in the reading of the years covered by the examination.

This requirement is practically the same as that of the College Entrance Examination Board in Latin 3.

GREEK. ELEMENTARY GREEK. Two units. The requirement in Elementary Greek includes: (1) Xenophon's *Anabasis*, Books I-IV, with attention not only to language, but to subject-matter as well; (2) grammar, including a familiar knowledge of inflection, word-formation, and ordinary syntax. This will be

tested by: (a) questions on a passage from the *Anabasis*; (b) translation into Greek, with accents, of simple English sentences.

This requirement is the same as that of the College Entrance Examination Board in Greek *a* (i and ii), *b*, and *g*.

ADVANCED GREEK. *One unit.* The requirement in advanced Greek includes: (1) Three books of Homer's *Iliad* or *Odyssey*, with questions on meter, Homeric dialect, etc., or (upon request four weeks in advance of the examination) an equivalent amount of a prose author; (2) translation at sight of simple Attic prose or Homer; (3) translation into Greek, with accents, of a continuous passage of English narrative, based upon material similar to the *Anabasis*.

This requirement is the same as that of the College Entrance Examination Board in Greek *f* and *ch*.

FRENCH. ELEMENTARY FRENCH. FIRST YEAR. *One unit.* At the end of the first year the pupil should be able to pronounce French accurately, to translate at sight very easy French prose, to put into French very simple English sentences taken from the language of every-day life or based upon the portion of the French text read, and to answer questions on the rudiments of the grammar as defined below.

During the first year the work should comprise: Careful drill in pronunciation; the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax, including the simpler uses of the conditional and subjunctive; abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; writing French from dictation.

As no examination in first-year French is given by the College Entrance Examination Board, the examination in this subject must be taken in September at Brown University; see page 24.

ELEMENTARY FRENCH. SECOND YEAR. *One unit.* At the end of the second year the pupil should be able to read and translate at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon the portion of the French text read, to write from dictation simple French sentences, and to answer questions on the rudiments of the grammar, as defined in the requirement for the first year, with the additions made below.

During the second year the work should comprise: The reading of from 250

to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; constant practice, as in the previous year, in translating into French easy variations upon the texts read; frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; writing French from dictation; continued drill upon the rudiments of grammar, with constant application in the construction of sentences; mastery of the forms and use of pronouns, pronominal adjectives, and of all but the rare irregular verb forms.

Suitable texts for the second year are: About's *Le roi des montagnes*; Bruno's *Le tour de la France*; Daudet's easier short tales; La Bédollière's *La Mère Michel et son chat*; Erckmann-Chatrian's stories; Foa's *Contes biographiques* and *Le petit Robinson de Paris*; Foncin's *Le pays de France*; Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*; Legouvé and Labiche's *La cigale chez les fourmis*; Malot's *Sans famille*; Mairêt's *La tâche du petit Pierre*; Mérimée's *Colomba*; extracts from Michelet; Sarcey's *Le siège de Paris*; Verne's stories.

The combined requirement in first and second year Elementary French is the same as that of the College Entrance Examination Board in French *a*.

INTERMEDIATE FRENCH. *One unit.* At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts for the third year are: About's stories; Augier and Sandeau's *Le gendre de M. Poirier*; Béranger's poems; Corneille's *Le Cid* and *Horace*; Coppée's poems; Daudet's *La Belle-Nivernaise*; La Brète's *Mon oncle et mon curé*; Madame de Sévigné's letters; Hugo's *Hernani* and *La chute*; Labiche's plays; Loti's *Pêcheur d'Islande*; Mignet's historical writings; Molière's *L'avare* and *Le bourgeois gentilhomme*; Racine's *Athalie*, *Andromaque*, and *Esther*; George Sand's plays and stories; Sandeau's *Mademoiselle de la Seiglière*; Scribe's plays; Thierry's *Récits des temps mérovingiens*; Thiers's *L'expédition de Bonaparte en Egypte*; de Vigny's *La canne de jonc*; Voltaire's historical writings.

This requirement is the same as that of the College Entrance Examination Board in French *b*.

GERMAN.‡ ELEMENTARY GERMAN. FIRST YEAR. *One unit.* At the end of the first year the pupil should be able to read at sight, and to translate, a

‡ An oral test forms a part of all entrance examinations in German.

passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German simple English sentences taken from the language of every-day life or based upon the text given for translation, and to answer questions upon the rudiments of the grammar, as defined below.

During the first year the work should comprise: Careful drill upon pronunciation; the memorizing and frequent repetition of easy colloquial sentences; drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

As no examination in first year German is given by the College Entrance Examination Board, the examination in this subject must be taken in September at Brown University; see page 24.

ELEMENTARY GERMAN. SECOND YEAR. *One unit.* At the end of the second year the pupil should be able to read at sight, and to translate, a passage of easy dialogue or narrative prose, help being given on unusual words and constructions, to put into German short English sentences taken from the language of every-day life or based upon the text given for translation, to write from dictation simple German sentences, and to answer questions upon the rudiments of grammar, as defined in the requirement for the first year, with the additions made below.

During the second year the work should comprise: The reading of from 150 to 200 pages of literature in the form of easy stories and plays; accompanying practice in the translation into German of easy variations upon the matter read and also in the offhand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; writing German from dictation; continued drill upon the rudiments of the grammar and mastery of the adjective declensions, the passive, and word-order, in order that the pupil may use his knowledge with facility in the formation of sentences and state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder*; Arnold's *Fritz auf Ferien*; Baumbach's *Die Nonna* and *Der Schwiegersohn*; Gerstäcker's *Germelshausen*; Heyse's *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und*

Ende; Hillern's *Höher als die Kirche*; Jensen's *Die braune Erica*; Leander's *Träumereien* and *Kleine Geschichten*; Seidel's *Märchen*; Stökl's *Unter dem Christbaum*; Storm's *Immensee* and *Geschichten aus der Tonne*; Zschokke's *Der zerbrochene Krug*.

Among shorter plays the best available are perhaps Benedix's *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen*; Elz's *Er ist nicht eifersüchtig*; Wichert's *An der Majorsecke*; Wilhelmi's *Einer muss heiraten*. It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Andersen's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of about forty pages. After that, such a story as *Das kalte Herze* or *Der zerbrochene Krug*; then *Höher als die Kirche* or *Immensee*; next a good story by Heyse, Baumbach, or Seidel; lastly *Der Prozess*.

The combined requirement in first and second year elementary German is the same as that of the College Entrance Examination Board in German a.

INTERMEDIATE GERMAN. *One unit.* At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain a passage of classical literature taken from some text previously studied.

The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; writing connected German passages from dictation; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein*; Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*, — for example, *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen*; Fouqué's *Undine*; Gerstäcker's *Irrfahrten*; Goethe's *Hermann und Dorothea* and *Iphigenie*; Heine's poems and *Reisebilder*; Hoffmann's *Historische Erzählungen*; Lessing's *Minna von Barnhelm*; Meyer's *Gustav Adolf's Page*; Moser's *Der Bibliothekar*; Riehl's *Novellen*, — for example, *Burg Neideck*, *Der Fluch der Schönheit*, *Der stumme Ratsherr*, *Das Spielmannskind*; Rosegger's *Waldheimat*; Schiller's *Der Neffe als Onkel*, *Der Geisterseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen*; Scheffel's *Der Trompeter von Säckingen*; Wildenbruch's *Das edle Blut*; a good anthology of German verse (such as Hatfield's or von Klenze's).

This requirement is the same as that of the College Entrance Examination Board in German *b*.

SPANISH. ELEMENTARY SPANISH. FIRST YEAR. *One unit.* At the end of the elementary course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of every-day life or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as defined below.

During the first year the work should comprise: Careful drill in pronunciation; the rudiments of grammar, including the conjugation of the more regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the use of natural forms of expression; the reading and accurate rendering into good English of from 100 to 150 duodecimo pages of graduated texts, with translation into Spanish of easy variations of the sentences read; writing Spanish from dictation.

As no examination in first year Spanish is given by the College Entrance Examination Board, this examination must be taken in September at Brown University; see page 24.

ELEMENTARY SPANISH. SECOND YEAR. *One unit.* At the end of the second year the pupil should be able to read and translate at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of every-day life, or based upon a portion of the text read, to write from dictation simple Spanish sentences, and to answer questions on the rudiments of the grammar, as defined in the requirement for the first year, with the additions made below.

During the second year the work should comprise: The reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; constant practice, as in the previous year, in translating into Spanish easy variations upon the texts read; frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; writing Spanish from dictation; continued drill upon the rudiments of grammar, with constant application in the construction of sentences; mastery of the forms and use of pronouns, pronominal adjectives, and of all but the rare irregular verb forms.

Suitable texts for the second year are: Valera's *El Pájaro verde*; Alarcón's *Novelas Cortas*; Valdés's *José* and *La Hermana San Sulpicio*; selections from the works of Mesonero Romanos; Galdós's *Marianela*; Quintana's *La Vida de Nuñez de Balboa*; Padre Isla's version of *Gil Blas*; Carrión and Aza's *Zaraguëta*.

The combined requirement in first and second year Elementary Spanish is the same as that of the College Entrance Examination Board in Spanish.

INTERMEDIATE SPANISH. *One unit.* At the end of the intermediate course the pupil should be able to read at sight ordinary Spanish prose or simple poetry, to translate into Spanish a connected passage of English based upon the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The work should comprise the reading of from 400 to 600 pages of Spanish of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving Spanish paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts for the third year are Becquer's *Tales, Legends, and Poetry*; Valera's *Pepita Jiménez*; Ibanez's *La Barraca*; Galdós's *Doña Perfecta*; Echegaray's *El Gran Galeoto*; Ayala's *Consuelo*; Gil y Zárate's *Guzmán el Bueno*; Pereda's *Pedro Sánchez*; Hills and Morley's *Modern Spanish Lyrics*; Ford's *Selections from Don Quixote*.

As no examination in intermediate Spanish is given by the College Entrance Examination Board, this examination must be taken in September at Brown University; see page 24.

ITALIAN. ELEMENTARY ITALIAN. FIRST YEAR. *One unit.* At the end of the first year the pupil should be able to pronounce Italian accurately, to translate at sight very easy Italian prose, to put into Italian very simple English sentences taken from the language of every-day life or based upon a portion of the Italian text read, and to answer questions on the rudiments of grammar as defined below.

During the first year the work should comprise: Careful drill in pronunciation, the rudiments of grammar, including the conjugation of the regular verbs and the more common irregular verbs (including those that suffer orthographical and radical changes); the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax, including the simpler uses of the subjunctive; abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; the reading and accurate translation into good English of from 100 to 150 duodecimo pages of graduated texts, with translation into Italian of easy variations of the sentences read; writing Italian from dictation.

ELEMENTARY ITALIAN. SECOND YEAR. *One unit.* At the end of the second year the pupil should be able to read and translate at sight easy Italian prose, to put into Italian simple English sentences taken from the language of every-day life, or based upon a portion of the Italian text read, to write from dictation simple Italian sentences, and to answer questions on the grammar.

During the second year the work should comprise: The reading of from 250 to 400 pages of easy prose or poetry; constant practice in translating into Italian easy variations upon the text read; frequent abstracts, sometimes oral

and sometimes written, of portions of the text already read; writing Italian from dictation; continued drill upon the grammar, with constant application in the construction of sentences.

Suitable texts for the second year are: Manzoni's *I Promessi Sposi*, *Levi*; *Selections from Carducci*, *Marinoni*.

INTERMEDIATE ITALIAN. *One unit.* At the end of the intermediate course the pupil should be able to read at sight ordinary Italian prose or poetry, to translate into Italian a connected passage of English based upon the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

The work should comprise the reading of from 400 to 600 pages of Italian, including a considerable amount of Dante's *Divina Commedia*; constant practice in giving Italian paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

As no examinations in Italian are given by the College Entrance Examination Board, the examinations in this subject must be taken in September at Brown University; see page 24.

HISTORY. ANCIENT HISTORY. *One unit.* Special attention to Greek and Roman history, but including also a short introductory study of the more ancient nations and the chief events of the early Middle Ages, down to the death of Charlemagne.

MEDIEVAL AND MODERN EUROPEAN HISTORY. *One unit.* From the death of Charlemagne to the present time.

ENGLISH HISTORY. *One unit.*

AMERICAN HISTORY AND CIVIL GOVERNMENT. *One unit.*

The examinations in history will be so framed as to require comparison and judgment on the pupil's part rather than mere memory. The examinations will presuppose the use of good text-books, at least 600 duodecimo pages of collateral reading, and practice in written work. Historical novels, plays, or poems will not be accepted in fulfilment of the requirement of collateral reading. The methods of instruction which the examinations in History and Civil Government presuppose are substantially identical with those set forth in *A History Syllabus for Secondary Schools* (D. C. Heath & Co.); and the references for collateral reading given in that manual may be taken as indications of the kind of collateral reading that should be done.

These requirements are the same as those of the College Entrance Examination Board in History *a, b, c, d.*

PHYSICS. *One unit.* Preparation in Physics should include: (1) The study of one standard text-book, for the purpose of obtaining a connected and com-

prehensive view of the subject. The student should be given opportunity and encouragement to consult other scientific literature. (2) Instruction by lecture-table demonstrations, to be used mainly for illustration of the facts and phenomena of physics in their qualitative aspects and in their practical applications. (3) Individual laboratory work, consisting of experiments requiring at least the time of thirty double periods. The experiments performed by each student should number at least thirty. The work should be so distributed as to give a wide range of observation and practice. The aim of laboratory work should be to supplement the pupil's fund of concrete knowledge and to cultivate his power of accurate observation and clearness of thought and expression. The exercises should be chosen with a view to furnishing forceful illustrations of fundamental principles and their practical applications. They should be such as yield results capable of ready interpretation, obviously in conformity with theory, and free from the disguise of unintelligible units. Slovenly work should not be tolerated, and the effort for precision should not lead to the use of apparatus or processes so complicated as to obscure the principle involved.

Throughout the whole course special attention should be paid to the common illustrations of physical laws and to their industrial applications.

In the solution of numerical problems, the student should be encouraged to make use of the simple principles of algebra and geometry to reduce the difficulties of solution, but unnecessary mathematical difficulties should be avoided, and care should be exercised to prevent the student from losing sight of the concrete facts in the manipulation of symbols.

Every candidate must present as a part of the examination a note-book, certified by the teacher, containing in the candidate's own language a description of his laboratory exercises, with a careful record of the steps, observations, and results of each exercise. The note-book must afford clear evidence of the pupil's ability to make accurate observations and to draw direct conclusions.

This requirement is the same as that of the College Entrance Examination Board in Physics.

CHEMISTRY. *One unit.* The following outline includes only the indispensable topics which must be studied in the class-room and laboratory. The material is, for the most part, common to all elementary text-books and laboratory manuals. The order of presentation will naturally be determined by the teacher.

OUTLINE. The chief physical and chemical characteristics, the preparation and the recognition of the following elements and their chief compounds: *oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, iodine, fluorine, sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

More detailed study should be confined to the italicized elements and to a restricted list of compounds, such as: water, hydrochloric acid, carbon-

monoxide, carbon-dioxide, nitric acid, ammonia, sulphur dioxide, sulphuric acid, hydrogen-sulphide, sodium-hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flames, acids, bases, salts, oxidation and reduction, crystallization, manufacturing processes, familiar substances (illuminating gas, explosives, baking powder, mortar, glass, steel, common alloys, porcelain, soap).

Attention should be given also to combining proportions by weight and volume; calculations founded on these and on Boyle's and Charles's laws; symbols and nomenclature (with careful avoidance of special stress, since these are non-essential); atomic theory, atomic weights and valency in a very elementary way; nascent state; natural grouping of the elements; solution (solvents and solubility of gases, liquids, and solids; saturation); ionization; mass action and equilibrium; strength (=activity) of acids and bases; conservation and dissipation of energy; chemical energy (very elementary); electrolysis. Chemical terms should be defined and explained, and the pupil should be able to illustrate and apply the ideas they embody. The theoretical topics are not intended to form separate subjects of study, but should be taught only so far as is necessary for the correlation and explanation of the experimental facts.

It is recommended that the candidate's preparation in chemistry should include: (1) Individual laboratory work, comprising at least forty exercises; (2) instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations; (3) the study of at least one standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary chemistry.

Every candidate must present as a part of the examination, a note-book, certified by the teacher, containing in the candidate's own language a description of his laboratory exercises, with a careful record of the steps, observations, and results of each exercise. The note-book must afford clear evidence of the pupil's ability to make accurate observations and to draw direct conclusions.

This requirement is the same as that of the College Entrance Examination Board in Chemistry.

BOTANY. *One unit.* The course should include a careful study of the general principles of Anatomy and Morphology, Physiology and Ecology; also the natural history of the plant groups, and classification.

Individual laboratory work by the student is essential and should receive at least double the amount of time given to recitation. Records of the laboratory work, properly certified by the teacher, in which stress is laid upon accurate drawing and precise description, must be presented at the time of examination.

Where special circumstances, such as exceptional difficulty of obtaining material, prevent the completion of the entire amount while allowing its

equivalent in thoroughness, it is recommended that some of the minor topics be omitted rather than that the attempt be made to cover all more superficially. To provide for this contingency, the examination papers will always include a number of alternative questions.

This requirement is the same as that of the College Entrance Examination Board in Botany.

PHYSIOGRAPHY. *One unit.* The candidate's preparation should include: (1) The study of one of the leading secondary text-books in physical geography, that a knowledge may be gained of the essential principles and of well-selected facts illustrating those principles; (2) individual laboratory work comprising at least forty exercises. From one-third to one-half of the candidate's class-room work should be devoted to laboratory exercises. In the autumn and spring, field trips should take the place of laboratory exercises. Properly attested reports of field and laboratory work must be presented at the time of examination.

This requirement is the same as that of the College Entrance Examination Board in Geography.

ASTRONOMY. *One unit.* The requirement in Astronomy demands class instruction in the elementary principles of the science, including observations of the heavens with reference to the positions and movements of the heavenly bodies. The following are the chief topics to be studied: *The Celestial Sphere*: designation of the directions of a heavenly body. *The Earth*: its axial rotation; time, latitude, longitude; its orbital revolution; precession; aberration, the seasons, equation of time, the calendar. *The Moon*: its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses. *The Sun*: its rotation, physical characteristics, light, and heat. *The Planets*: apparent and real motions, individual characteristics. *The Law of Gravitation*: its control of the solar system; the tides. *Comets and Meteors*: their nature and motions. *The Stars*: designation, classification by constellations, motions, distance, brightness, variables. *Stellar Systems*: clusters, nebulae; the stellar universe, cosmogony.

As no examination in Astronomy is given by the College Entrance Examination Board, the examination in this subject must be taken in September at Brown University; see page 24.

ADMISSION TO ADVANCED STANDING

A candidate for admission to advanced standing, unless coming from an approved institution of collegiate rank, will be examined in the studies required for entrance to Brown University (unless admitted by certificate) and in those already pursued by the class which he desires to enter.

A candidate for admission to advanced standing who comes from an ap-

proved institution of collegiate rank may receive credit, without examination, for work done at that institution. He will be required, however, to present, or to have had accepted elsewhere, the same entrance subjects as are demanded of students entering Brown University without advanced credit; and to cover, or to have covered, all the prescribed subjects in the course leading to the desired degree at Brown University. The Committee on Registration and Attendance will determine the amount of credit that he may receive, on receipt of the following papers, all of which should be sent to the Registrar of Brown University: (1) a formal statement, made out and signed by the proper official of the institution previously attended, showing all preparatory subjects accepted by it for entrance (specifying whether by examination or certificate), and all the courses attended at college, with their catalogue numbers, and the standing attained therein by the student; (2) a similar official statement as to whether the student has completed the amount of work regularly required up to the time of his withdrawal from the institution previously attended, or has done work in excess thereof, or of less amount, or has incurred conditions or probation; (3) a marked catalogue of the institution previously attended, describing the subjects taken; (4) a letter of honorable dismissal from the institution last attended.

Every candidate for a bachelor's degree, admitted to advanced standing, must remain in residence at the University at least one year before receiving his degree, and must take in regular course the full amount of work ordinarily required during the academic year.

ADMISSION OF SPECIAL STUDENTS

Mature persons of good character who desire to pursue some special subjects and who have had the requisite preliminary training are allowed to enter the various courses of study in the University without becoming candidates for a degree.

Applicants for registration as special students must present to the Registrar, on or before August 1 if possible, a certified and detailed statement of the nature and extent of their preparatory work, including testimonials of character and ability. In case a student has attended more than one institution, he must present credentials from each of them. Applicants must satisfy the Committee on Registration and Attendance, by passing the entrance examinations or presenting certificates, that they are qualified to pursue the courses desired.

Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees; they must take fifteen hours of class-room work a week unless satisfactory reasons for a smaller assignment are presented.

REGISTRATION AND ENROLMENT OF UNDERGRADUATES

REGISTRATION. In September all new students, whether candidates for a degree or special students, must report at the Administration Building between 9 a.m. and 1 p.m. or between 2.30 p.m. and 5 p.m. on the Monday or Tuesday preceding the opening of the first semester (for 1919, September 22 or 23), and fill out registration cards for the whole of the ensuing year. Failure to comply with this rule will be treated as late registration and a fee of three dollars will be charged. All new students must present at or before the time of registration all credentials necessary for admission as candidates for a degree or as special students.

In May of each year all undergraduates in residence, whether candidates for a degree or special students, must obtain at the Registrar's office registration cards, which must be filled out after consultation with the Committee on Electives with a statement of the courses elected for the whole of the ensuing year and returned not later than June 1. Failure to comply with this rule will be treated as late registration and a fee of three dollars will be charged. *Members of the Sophomore class who are candidates for the degree of Bachelor of Philosophy must file their concentration cards with their registration cards.* See Requirements for Concentration, pages 52, 53.

When semester courses are grouped in one paragraph (*e.g.* Biology 1, 2), they constitute a year course and neither semester may be elected independently unless specific statement to the contrary is made. In starred courses a final mark will be given at the end of the course, the mark given at the end of the first semester being regarded as temporary.

Changes in registration will be allowed only on presentation of sufficient reasons to the Committee on Registration and Attendance. Requests for permission to make changes in September should be sent to the Registrar before September 7, if possible. Requests for permission to make changes for the second semester must be presented to the Registrar before the beginning of the examinations of the first semester, unless these requests are the result of failures, in which case they must be presented in writing to the Registrar two days before the opening of the second semester. A fee of three dollars is charged for changes.

The Committee on Registration and Attendance and the Committee on Electives will be in session at the Administration Building between 9 a.m. and 1 p.m. and between 2.30 p.m. and 5 p.m. on the two days preceding the opening of each semester.

ENROLMENT. All students must report at the Registrar's office between 9 a.m. and 1 p.m. or between 2.30 p.m. and 5 p.m. on one of the two days

preceding the opening of each semester and have their names checked as enrolled. Failure to report will be treated as late enrolment and a fee of three dollars will be charged.

REQUIREMENTS FOR DEGREES†

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

I. PRESCRIBED SUBJECTS

Ancient Languages (either Latin or Greek, or both). Six hours. At least three hours must be taken in the Freshman year, and the six hours must be completed by the end of the Sophomore year.

French or German. Six or more hours. Including the amount presented for admission, every student must complete before graduation at least four years' work in French or four years' work in German. A minimum of six hours must be taken in college, of which at least three hours must be taken in the Freshman year. Students who present the full entrance requirement in both Greek and Latin and who elect six hours of Greek and Latin in college will not be required to take more than six hours of modern language in college.

Mathematics. Three hours. Freshman year.

English Composition and Rhetoric. Three hours. First semester, Freshman year. Second semester, Sophomore year.

English Literature. Three hours. Second semester, Freshman year. First semester, Sophomore year.

European History. Three hours. Sophomore or Junior year.

Physical or Natural Science. A three-hour course continuous through the year. Freshman, Sophomore, or Junior year.

Economics, and Social and Political Science. Three hours. Sophomore, Junior, or Senior year.

Philosophy. A three-hour course continuous through the year. Sophomore or Junior year.

II. REQUIREMENTS ARRANGED BY YEARS

FRESHMAN YEAR

I. REQUIRED COURSES. *Latin* or *Greek*, three hours; *French* or *German*, three hours; *Mathematics*, three hours; *English*, three hours.

II. ELECTIVE COURSES. One three-hour course continuous through the year must

† For statement of the Curriculum as reorganized for the period of the War, see pages 71, 72. The requirements for 1919-20 have not been definitely fixed, but will probably vary somewhat from those stated above and in the reorganized curriculum. A full statement will be made in a special circular to be published in May, 1919.

be chosen from the following list: *Latin, Greek, French, German, Chemistry, Physics, Botany, Biology, Geology, Astronomy, Mechanical Drawing.*

SOPHOMORE YEAR

That portion of the required work in ancient languages, modern languages, and English, not completed in the Freshman year, and other required and elective courses sufficient to make a total of fifteen hours a week.

JUNIOR YEAR

The required History, Philosophy, and Physical or Natural Science, if not previously taken, and other required and elective courses sufficient to make a total of fifteen hours a week.

SENIOR YEAR

All required courses not previously taken, and elective courses sufficient to make a total of fifteen hours a week.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

I. PRESCRIBED SUBJECTS

✓ *Mathematics.* Three hours. Freshman year. This subject may be omitted by students who intend to substitute Argumentation in the Sophomore year.

✓ *English Composition and Rhetoric.* Three hours. First semester, Freshman year. Second semester, Sophomore year.

✓ *English Literature.* Three hours. Second semester, Freshman year. First semester, Sophomore year.

French or German. Including the amount presented for admission, every student must complete before graduation four years' work in French or four years' work in German. At least three hours must be taken in the Freshman year.

✓ *Biology.*‡ Three hours. Freshman or Sophomore year.

Physics, Chemistry, Botany, Geology, or Astronomy (only one of this group required). Three hours. Freshman or Sophomore year. This requirement does not apply to students who have presented Physics and Chemistry for admission.

✓ *Classical Civilization* (*Greek 15, Latin 16*). Three hours. Freshman or Sophomore year. Freshman year for students who do not take Mathematics.

European History. Three hours. Freshman, Sophomore, or Junior year.

‡ Botany may be substituted for Biology in the second semester.

Economics, and Social and Political Science. Three hours. Sophomore, Junior, or Senior year.

Philosophy. A three-hour course continuous through the year. Sophomore or Junior year.

Argumentation (English 7, 8). Three hours. Sophomore year. For students who have not taken Mathematics in the Freshman year.

II. REQUIREMENTS ARRANGED BY YEARS

FRESHMAN YEAR

I. REQUIRED COURSES. *English; French or German; Mathematics* (for students who do not intend to substitute Argumentation in the Sophomore year); *Classical Civilization (Greek 15, Latin 16)* (for students who do not take Mathematics).

II. ELECTIVE COURSES. Two three-hour courses continuous through the year must be chosen from the following list: *Latin, Greek, French, German, Classical Civilization (Greek 15, Latin 16), History, Chemistry, Physics, Botany, Biology, Geology, Astronomy, Mechanical Drawing.*

SOPHOMORE YEAR

That portion of the required work in modern languages not completed in the Freshman year.

Biology; ‡ for students who have not taken this course in the Freshman year.

Physics, Chemistry, Botany, Geology, or Astronomy; for students who have not presented both Physics and Chemistry for admission or taken a course in Physical Science in the Freshman year.

Argumentation (English 7, 8); for students who have not taken Mathematics in the Freshman year.

Classical Civilization (Greek 15, Latin 16); for students who have not taken this course in the Freshman year.

English.

Other required and elective courses sufficient to make a total of fifteen hours a week.

JUNIOR YEAR

The required History and Philosophy, if not previously taken, and other required and elective courses sufficient to make a total of fifteen hours a week.

During the Junior and Senior years a student must take at least four courses outside the department chosen for special work. See Requirements for Concentration, pages 52, 53.

‡ Botany may be substituted for Biology in the second semester.

SENIOR YEAR

All required courses not previously taken, and elective courses sufficient to make a total of fifteen hours a week.

III. REQUIREMENTS FOR CONCENTRATION ‡

At the close of the Sophomore year each candidate for the degree of Bachelor of Philosophy must choose from the following list a department in which he intends to do special work during the Junior and Senior years, and must elect at least three courses of three hours a year each in this department. If he has not already taken a three-hour year course in the department chosen, he must elect four courses. The selection of these courses must be made in consultation with the head of the department and must be approved by him. When two departments are combined, the selection must be made in consultation with the head of the department first named.

At any time before the beginning of the Senior year a student may, with the approval of the Committee on Registration and Attendance, change the department in which he is to do his special work.

With the approval of the department in which the student is doing special work, he may count as the equivalent of one course work which does not require regular class-room attendance.

DEPARTMENTS IN WHICH SPECIAL WORK
MAY BE TAKEN

Art.

Art, and Greek Literature and History.

Art, and Roman Literature and History.

Art, and Music.

Art, and History.

Astronomy.

Astronomy, and Civil Engineering.

Astronomy, and Physics.

Astronomy, and Mathematics.

Astronomy, and Geology.

Biblical Literature and History.

Biblical Literature and History, and Greek Literature and History.

Biblical Literature and History, and Philosophy.

Biology.

Botany.

Botany, and Biology.

Chemistry.

Civil Engineering.

Economics.

‡ Beginning with the academic year 1919-20, these requirements will be materially changed.

Education.
 Education, and Philosophy.
 Education, and Social and Political Science.
 Education, and History.
 Electrical Engineering.
 English.
 Geology.
 Germanic Languages and Literatures.
 Greek Literature and History.
 Greek Literature and History, and Roman Literature and History.
 Greek Literature and History, and Biblical Literature and History.
 Greek Literature and History, and Art.
 History.
 Mathematics.
 Mechanical Engineering.
 Mechanics and Mechanical Drawing.
 Mechanics, and any Engineering department.
 Philosophy.
 Physics (exclusive of Electrical Engineering).
 Roman Literature and History.
 Roman Literature and History, and Art.
 Roman Literature and History, and Greek Literature and History.
 Roman Literature and History, and Indo-European Philology.
 Romance Languages and Literatures.
 Social and Political Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING

For Students who entered in 1917 or thereafter

FRESHMAN YEAR

Trigonometry, Analytic Geometry, and Elementary Calculus (Mathematics 17A, 18A). Four hours. Through the year.

Mechanical Drawing (Engineering 3). Three hours. First semester.

Descriptive Geometry (Mathematics 50A). Three hours. Second semester.

Surveying and Engineering Mechanics (Engineering 1, 2). Three hours. Through the year.

English 1, 48.† Three hours. Through the year.

† Students whose work in English 1 is satisfactory to the department may take English 2 in place of English 48 in the second semester of the Freshman year, and substitute some other course for English 49, 2 in the Sophomore year.

Chemistry 1, 2 or an approved substitute. Three hours. Through the year. If chemistry is presented for admission, an approved substitute may be elected.

SUMMER VACATION

During part of the vacation between the Freshman and Sophomore years a course in either surveying (*Engineering 5*) or shop practice (*Engineering 6*) will be required.

SOPHOMORE YEAR

Differential and Integral Calculus (Mathematics 19 A, 20 A). Three hours. Through the year.

Economics 1 and Social and Political Science 1. Three hours. Through the year.

Physics 27, 28. Four hours. Through the year.

Mechanics and Graphics (Engineering 7, 8). Three hours. Through the year.

English 49, 2 or an approved substitute.† Three hours. Through the year.

JUNIOR YEAR

Mechanics and Structures (Engineering 9, 10). Four hours. Through the year.

Electrical Engineering (Engineering 11, 12). Three hours. Through the year.

Heat and Power (Engineering 13, 14). Three hours. Through the year.

Materials of Engineering (Engineering 15). Three hours. First semester.

Hydraulics (Engineering 16). Three hours. Second semester.

Approved elective.§ Three hours. Through the year.

SENIOR YEAR

Engineering Economics (Engineering 17, 18). Three hours. Through the year.

Report of special investigation (Engineering 19, 20).

Engineering electives. Six hours. Through the year.

Approved electives.§ Six hours. Through the year.

The following courses are offered only for students who entered before 1917. In place of them there is now offered a single course leading to the degree of Bachelor of Science in Engineering. See page 53.

† Students whose work in English 1 is satisfactory to the department may take English 2 in place of English 48 in the second semester of the Freshman year, and substitute some other course for English 49, 2 in the Sophomore year.

§ At least one of these electives counting for three hours through the year must be taken in some department not in the Division of Engineering.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING ‡

For Students who entered before 1917

JUNIOR YEAR

Civil Engineering 7	Civil Engineering 16
Mechanics 1	Mechanics 2
Geology 3	Geology 4
Physics 21	Physics 22
Astronomy 5	Civil Engineering 10
Elec. Engineering 3	Civil Engineering 14
	Civil Engineering 26

SENIOR YEAR

Mech. Engineering 19	Mech. Engineering 20
Mech. Engineering 15	Mech. Engineering 24
Mechanics 3	Mechanics 4
Civil Engineering 37	Civil Engineering 38
Civil Engineering 45	Civil Engineering 40
§ An elective course	Civil Engineering 34
	Civil Engineering 42 or 46
	§ Civil Engineering 36

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

For Students who entered before 1917

JUNIOR YEAR

Mechanics 1	Mechanics 2
Elec. Engineering 1	Elec. Engineering 2
Elec. Engineering 5	Elec. Engineering 6
Mathematics 9	Elec. Engineering 8
Mech. Engineering 9	Mech. Engineering 10
Mech. Engineering 15	Mech. Engineering 16
Mech. Engineering 3	

‡ In this table of requirements the old course numbers are, for convenience, retained.

§ In special cases, subject to the approval of the head of the Department of Civil Engineering, courses in Engineering or Science may be substituted for the thesis.

BROWN UNIVERSITY

SENIOR YEAR

Mechanics 3	Mechanics 4
Physics 23	Mech. Engineering 24
Elec. Engineering 9	Civil Engineering 18
Elec. Engineering 11	Elec. Engineering 10
Elec. Engineering 17	Elec. Engineering 14
Elec. Engineering 19	Elec. Engineering 16
Mech. Engineering 19	Elec. Engineering 18
‡ An elective course	Elec. Engineering 20
	Mech. Engineering 20
	Civil Engineering 26
	Physics 14

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

For Students who entered before 1917

JUNIOR YEAR

Mechanics 1	Mechanics 2
Elec. Engineering 1	Elec. Engineering 2
Mech. Engineering 9	Mech. Engineering 10
Mech. Engineering 15	Mech. Engineering 16
Mech. Engineering 17	Mech. Engineering 18
§ An elective course	§ An elective course

SENIOR YEAR

Mech. Engineering 11	Mech. Engineering 12
Mech. Engineering 19	Mech. Engineering 20
Mech. Engineering 5	Mech. Engineering 22
Civil Engineering 43	Mech. Engineering 14
Mechanics 3	Mechanics 4
	Mech. Engineering 24
	Civil Engineering 18
	Civil Engineering 26
Mech. Engineering 25	Mech. Engineering 26
§ An elective course	§ An elective course

‡ A three-hour course, chosen with the approval of the head of the Department of Electrical Engineering.

§ A three-hour elective course through the year, chosen with the approval of the head of the Department of Mechanical Engineering.

REGULATIONS UNDER WHICH A STUDENT MAY TAKE A FIRST DEGREE IN LESS THAN FOUR YEARS

A candidate for a first degree who has maintained a satisfactory standing in his studies may, with the consent of the Committee on Registration and Attendance, take work in addition to the regular number of hours prescribed in the curriculum of the course which he is pursuing.

A student who at the beginning of his Senior year lacks less than thirty semester hours of completing his course may, with the consent of the Committee on Registration and Attendance, distribute his work over the year.

A student who at the beginning of any semester lacks less than fifteen semester hours of completing his course may, for reasons deemed sufficient by the Committee on Registration and Attendance, be excused from taking more than the necessary number of hours.

A candidate for a first degree, who has credit for the required number of hours of work, including all the required subjects, may, at the end of the semester in which his work is completed, be excused from further attendance at the University, and may receive his degree at the Commencement next following such semester.

For conditions under which graduate work may be pursued during the Senior year, see page 62, "Graduate Study."

CREDIT FOR SUMMER WORK. A candidate for a first degree may receive credit for work done at the summer school of an approved institution of collegiate rank, provided that the work have the approval of the head of the corresponding department in Brown University; but no credit will be given for required courses except those specially designated by the Committee on Registration and Attendance in conference with the departments concerned. The amount of credit given at the institution in question will be given at Brown University, but the total credit for work at a summer school in any one summer shall not exceed six semester hours, except as noted below. Applications must be filed at the Registrar's office before Commencement on blanks provided for the purpose.

A candidate for a first degree may, with the consent of the head of a department and with the approval of the Faculty, pursue studies (except required courses) connected with that department during any summer in which he does not attend a summer school, and may receive credit for such studies, provided that the work be done under the supervision of the head of the department concerned and that the candidate pass an examination in all the work before the beginning of the next academic year. The amount of credit will be determined by the head of the department, but the total credit for any one summer shall not exceed three semester hours, except as noted below. Applications must be approved by the head of the department concerned, and must be filed

at the Registrar's office before June 1, on blanks provided for the purpose. A student will not be allowed to do summer work in connection with any department of the University until he has presented to the head of the department a registration card signed by the Registrar.

Students who have no deficiency due to failure and who have an average grade of *B* in all courses to date may receive a maximum credit of nine semester hours for work at a summer school, or a maximum credit of six semester hours for work done under the supervision of a department. Such students will also be allowed to continue or supplement work done at a summer school by work done under the supervision of a department in such manner that a summer school credit of two semester hours may be extended in the same subject to three semester hours, two summer school credits of two hours each may be extended in the same subjects to three semester hours each, or a summer school credit of four semester hours in one subject may be extended in the same subject to six semester hours. In no other manner will credit be allowed both for work done at a summer school and for work done under the supervision of a department during the same summer.

ATTENDANCE, STANDING, AND EXAMINATIONS

ATTENDANCE. Every student is required to attend every session of the classes in which he is registered, including gymnasium, and also the daily chapel service.

STANDING. A record is kept of every student's attendance and of his proficiency in his several studies. At the close of each semester a report is sent to the parent or guardian of every undergraduate student containing a record of all his absences from required exercises, and indicating his standing in each of his studies for the semester, including any deficiency. A student who, in any semester, has failed in three or more courses counting for more than eight hours a week, will not be registered again without special action of the Committee on Registration and Attendance.

There are four pass grades: *A, B, C, D*. No student will be allowed to graduate who has not attained a grade above *D* in at least sixty semester hours of college work.

E is assigned to those who have failed to pass; or to those whose work during the semester has been so unsatisfactory that, in the opinion of the instructor, they should not be allowed an examination; or to those who, in a laboratory course, have not completed half the work required.

O is assigned to those who have been absent one-half the time in a course, or to those whose absence from the examination is not excused by the Dean.

A student who receives the mark *E* in a required course must repeat the course; except that in required courses designated by the Committee on Registration and Attendance, in conference with the department concerned, a failure may be made up by work at an approved summer school. A student who receives the mark *E* in an elective course may substitute some other course approved by the Committee on Registration and Attendance, or he may take an equivalent amount of approved summer work.

I is assigned to those whose semester work is incomplete, but satisfactory so far as done. All incomplete work must be made up before the middle of the following semester. If this requirement is not met, the mark will be changed to *E*, unless an extension of time is granted by the Committee on Registration and Attendance.

Abs. is assigned to those who have been absent from examination, unless *E* has already been assigned on the basis of the work during the semester.

A student whose semester work is incomplete and who is absent from the examination is assigned the marks *I* and *Abs.*

EXAMINATIONS. All classes are examined at the close of each semester. A student is not admitted to the examination in a study in which he has received the mark *E* or *O*.

Examinations other than the regular semester examinations are given only to students who have received the mark *Abs.* and whose absences have been excused by the Dean, and to candidates for advanced standing; but candidates for the degree of Bachelor of Science who have failed in a first examination may, at the discretion of the department concerned, be allowed a second examination, subject to the regulations below. Such students must present to the department satisfactory evidence that the work of the course has been thoroughly reviewed.

A student is not admitted to a special examination except on written authorization from the Registrar. If the examination is taken to remove the mark *Abs.* or *E*, the student must pay to the Registrar a fee of two dollars.

Special examinations upon the work of the first semester are given only during the following spring recess. Special examinations upon the work of the second semester are given only in the following September on as many days as may be necessary preceding the opening of the academic year, except that special examinations on the work of the second semester of the Senior year are given on the Saturday and Monday after the examination period in June.

Students desiring special examinations in the spring recess must make application to the Registrar not later than March 1, specifying the subjects in which examinations are desired. On or before March 15 a schedule of special examinations will be posted. Students desiring special examinations in September must make application to the Registrar not later than August 15, specifying the subjects in which examinations are desired. A schedule of the September examinations is sent about September 1 to the students concerned.

Special examinations at times other than those scheduled are allowed only by consent of the Committee on Registration and Attendance.

Special examinations for advanced standing are, so far as possible, arranged at the times assigned for other special examinations.

EXAMINATIONS TO REMOVE ENTRANCE CONDITIONS. Students who enter with conditions in English 1, English 2, Algebra, or Plane Geometry are required to take regular instruction in these subjects during the Freshman year under a tutor approved by the department concerned. A special examination will be given on completion of the work, but in no case before the close of the Christmas recess.

Students who fail to meet the entrance requirements in English or Mathematics before the beginning of the Junior year will not be allowed to register until these deficiencies have been removed.

Freshmen who have entrance conditions in subjects other than English, Algebra, or Plane Geometry may remove the conditions by passing the regular

mid-year entrance examinations. Applications must be filed with the Registrar before January 15, on blanks provided for the purpose. No student who has failed in an entrance examination will be granted a second examination at any time other than September, except on presentation of a tutor's certificate that he is prepared for such examination, and on payment of a fee of two dollars. No entrance examinations other than those appointed above will be held unless ordered by the Committee on Registration and Attendance.

Students who enter with conditions in Language, Science, History, Solid Geometry, Plane Trigonometry, or Advanced Algebra, must remove these conditions, by examination, before the beginning of the Sophomore year; otherwise such conditions will be regarded as deficiencies in college work and the students required to take extra courses in the departments in which the deficiencies occur, the amount and selection of the courses to be determined by the Committee on Registration and Attendance in consultation with the departments.

GRADUATE STUDY

OPPORTUNITY for advanced study in Brown University is open to two classes of students:

(1) Students who have received the bachelor's degree (other than the degree of Bachelor of Education) from Brown University or from some other college whose requirements for the degree are substantially equivalent.

(2) Students in the Senior class in Brown University who have received an average mark of *B* throughout their course, and who require not more than twelve semester hours for the completion of their work for the bachelor's degree.

Subject to conditions stated below, students of these two classes may be enrolled as candidates for advanced degrees, by vote of the Faculty on recommendation of the Dean of the Graduate Department. If not so enrolled, they are designated as special graduate students. An undergraduate candidate for an advanced degree is not permitted to take more than twenty-one hours in a single semester.

REGISTRATION OF GRADUATE STUDENTS. Not later than the eighth day of the first semester, every candidate for registration as a graduate student must file with the Dean of the Graduate Department, on a blank provided for the purpose, an application designating the courses he desires to take during the ensuing year. This application must be approved by the professor in charge of each course. If not a student or graduate of Brown University, he must file with his application his diploma or other evidence of holding the bachelor's degree, together with a marked catalogue or detailed statement showing the courses he has pursued. On completion of these requirements the Dean will issue a blank authorizing the candidate to register at the Registrar's office in the courses to be taken. This blank, together with a receipt from the Comptroller for the advance payment on the bill for the semester, must be presented to the Registrar before any classes are attended. An authorization blank will not be required for the second semester unless a change in courses has been made. Registration for the second semester must be completed within three days after the opening of the semester. Registration later than the days designated is permitted only on payment of a fee of three dollars.

REQUIREMENTS FOR ADVANCED DEGREES

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS. To become a candidate for the degree of Master of Arts, the student must hold (or, if an undergraduate student, be a candidate for) a bachelor's degree other than a degree given for technical work.

To obtain the degree of Master of Arts, the candidate must complete a year of graduate study of not less than thirty semester hours. The work may be all

in one subject, but may not be in more than three, that is, a major subject and one or two minor subjects chosen with the approval of the professor in charge of the major subject. It shall be arranged according to a coherent plan by the professor in charge of the major subject. An essay or report is required in the major subject and a final oral examination may be required at the option of the professor in charge of the major subject. The degree is granted only on the written recommendation of the professor in charge of the major subject.

Graduate Work Done in Other Institutions. Graduate work done in residence in another institution and not used in fulfilment of the requirements for an advanced degree elsewhere may be offered in partial fulfilment of the requirements for the degree of Master of Arts, provided it shall have the approval of the Dean of the Graduate Department and the professors in charge of the student's work; but the equivalent of at least eighteen semester hours must be done in residence at Brown University.

Undergraduate Credit. A graduate of Brown University who has to his credit undergraduate courses in which he has received a grade of *A* or *B*, which have not been counted toward the bachelor's degree, may offer such courses in partial fulfilment of the requirements for the degree of Master of Arts, provided they conform to the requirements for the degree.

Graduate Students in Undergraduate Courses. When a graduate student pursues courses regularly open to undergraduates, only those courses in which the grade of *A* or *B* has been received shall be counted toward the degree.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE.

To become a candidate for the degree of Master of Science, the student must have completed, or plan to complete, in addition to his work for the degree, sixty semester hours in mathematics and the sciences.

To obtain the degree of Master of Science, the candidate must complete a year of graduate study of not less than thirty semester hours in mathematics, engineering, physics, chemistry, astronomy, the biological sciences, psychology, or the geological sciences, in addition to the sixty hours, specified above, in mathematics and the sciences. The work may be all in one subject, but may not be in more than three, that is, a major subject and one or two minor subjects chosen with the approval of the professor in charge of the major subject. It must be arranged according to a coherent plan by the professor in charge of the major subject. A report of an investigation or a thesis is required in the major subject and a final oral examination may be required at the option of the professor in charge of the major subject. As a substitute for the report an advanced six-hour laboratory course, extending through the year, may be accepted by the professor in charge of the major subject. The degree is granted only on the written recommendation of the professor in charge of the major subject.

The provisions in regard to work done in other institutions, undergraduate credit, and grades to be obtained in courses open to undergraduates are the same as for the degree of Master of Arts.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY. To become a candidate for the degree of Doctor of Philosophy, the student must choose a major and a minor subject. His course as a whole must be arranged according to a coherent plan by the professor in charge of the major subject and must be approved by the Dean of the Graduate Department. The courses in the minor subject must be approved by the professor in charge of that subject. The full statement of the course, including the subject of the thesis (see below) and the languages in which the student is to be examined (see below), must be filed with the Dean of the Graduate Department not later than October 15 of the last year of candidacy. Candidates who fulfil the requirements stated below are recommended for the degree by vote of the Faculty on recommendation by the Dean of the Graduate Department and the professors in charge of the major and minor subjects.

The candidate must possess a comprehensive knowledge of his major and minor subjects, attested in writing by the professors in charge of those subjects and by a public examination conducted by the Dean of the Graduate Department, the officers of professorial rank in the departments in which the major and minor subjects are taken, and such other members of the Faculty as that body may appoint. This examination will be held not later than June 1 of the last year of candidacy, on a date set by the Dean of the Graduate Department. Application for examination must be made by the candidate to the Dean of the Graduate Department by April 1 of the last year of candidacy.

The candidate must present a thesis on a topic related to his major subject, embodying the results of original research, giving evidence of high scholarship, and constituting a contribution to knowledge. The thesis must have the written approval of the professor in charge of the major subject, and must be presented to the Dean of the Graduate Department in typewritten copy or in print before April 15 of the last year of candidacy. It will be accepted as satisfying the requirements for the degree only when approved by the Faculty and when either the thesis as a whole, or a summary of the essential facts and conclusions which it embodies, has been printed.‡

The candidate must possess a reading knowledge of at least two foreign languages (in addition to any language which may constitute his major subject) sufficient for the purposes of his special studies, such languages to be designated by the professor in charge of the major subject. He will be examined in these languages before December 1 in the last year of his candidacy by a committee consisting of the Dean of the Graduate Department, representatives of the departments in charge of the major and minor subjects, and representatives of the language departments concerned. The requirements for this degree being qualitative rather than quantitative, no definite statement of the time required

‡ In lieu of the thesis or summary in printed form, a summary with a cash deposit, sufficient to cover the expense of printing, may be accepted. If the thesis, or summary, is printed by the author within a year after receiving his degree, and copies thereof are furnished to the University, the deposit will be returned. Otherwise the summary will be printed by the University.

for obtaining the degree can be made, but in no case will the degree be granted for less than two years of graduate work, and the time required will usually be three or four years.

Work Done in Other Institutions. Graduate work done in residence at another institution, prior to enrolment in Brown University, and not used in fulfilment of the requirements for the degree of Doctor of Philosophy elsewhere, may be offered in partial fulfilment of the requirements for the degree, provided it shall have the approval of the Dean of the Graduate Department and the professors in charge of the major and minor subjects, but in no case shall the degree be granted to a candidate who has not completed a continuous year of work (other than work on his thesis) at Brown University.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PUBLIC HEALTH. The purpose of the course leading to this degree is to fit students for administrative and research work in connection with the public health service. The general requirements for candidacy and for the granting of the degree are the same as for the degree of Doctor of Philosophy. The major subject must be in the Department of Biology.

THE SCHOOL OF EDUCATION†

ADMISSION TO CANDIDACY FOR THE DEGREE OF BACHELOR OF EDUCATION. To be admitted as a candidate for the degree of Bachelor of Education, an applicant must have been graduated from an approved normal school that requires two years of professional and academic study, and must satisfy the University's entrance requirements for the degree of Bachelor of Arts or Bachelor of Philosophy, either by presenting an entrance certificate or by passing examinations in the required subjects (see pages 23-45). In addition the applicant must present: (1) an official record of his or her preparatory school course; (2) an official record of his or her normal school course; (3) a marked catalogue of the normal school, describing the course of study; (4) a diploma or certificate of graduation from the normal school; and (5) a letter of special recommendation from the principal of the normal school.

Graduates of approved normal schools who present satisfactory evidence of at least two years' successful experience in teaching will be admitted as candidates for the degree of Bachelor of Education without examination; but if later, because of failure in college studies, their preparation is deemed insufficient, they will be required to pass examinations in any or all of the subjects required for entrance. Such candidates must present all the credentials listed above, except the letter of special recommendation.

The Committee on Registration and Attendance will determine the amount of credit for entrance and advanced subjects to be given to all applicants for

† A special circular, *The School of Education*, may be obtained from the Registrar.

admission to the School of Education. Entrance certificates and other credentials should be sent to the Registrar of the University; applications for entrance examinations should be filed with the Registrar on or before August 1, if possible.

ADMISSION OF SPECIAL STUDENTS. Mature persons of good character, who desire to pursue special subjects and who have had the requisite preliminary training, are allowed to enter the various courses of study in the School of Education without becoming candidates for a degree.

Applicants for registration as special students must present to the Registrar of the University (if men), or to the Dean of the Women's College (if women), on or before August 1, if possible, a certified and detailed statement of the nature and extent of their preparatory work, including testimonials of character and ability. If a student has attended more than one institution, credentials must be presented from each of them. Applicants must satisfy the Committee on Registration and Attendance, by passing the entrance examinations or presenting certificates, that they are qualified to pursue the courses desired.

Special students must take fifteen hours of class-room work a week unless satisfactory reasons for a smaller assignment are presented at the time of registration.

ADMISSION OF GRADUATE STUDENTS. Persons who are eligible for admission to the Graduate Department of the University may be admitted to the School of Education as graduate students. Graduate students in the School of Education will be registered also in the Graduate Department of the University, and will be subject to the regulations, conditions, and requirements of that department (see pages 62-65).

REGISTRATION AND ENROLMENT. The regulations governing the registration and enrolment of students in the other undergraduate departments of the University (see page 47) apply to students in the School of Education. Women students will present themselves for registration and enrolment at the office of the Registrar of the Women's College, in Pembroke Hall.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF EDUCATION. All candidates for the degree of Bachelor of Education are required to complete a course of fifteen hours of class-room work a week, for each of two years, as follows:

FIRST YEAR.

English 1, 2. Three hours, unless the student is excused on evidence of proficiency in English composition.

Physical or Natural Science, or Mathematics. Three hours.

Two subjects from the following group: *Ancient or Modern Literature; History; Economics, and Social Science or Political Science.* Six hours.

One free elective, or two free electives if the student is excused from English 1, 2. Three hours.

SECOND YEAR.

Education. Three hours.

Philosophy. Three hours.

The subject in the first-year group (*Literature, History, Economics*) not taken in the first year. Three hours.

One elective in continuation of a subject taken in the first year. Three hours.

One free elective. Three hours.

Persons who take the degree of Bachelor of Education in Brown University may obtain the degree of Bachelor of Arts or Bachelor of Philosophy by an additional year's work that satisfies the requirements for the degree chosen.

The fees for men undergraduates in the School of Education are the same as those for other undergraduates specified under the heading "New University Fees" on pages 128, 129. The fees for women are the same as for other undergraduate women. All charges for the semester, including room rent, board, and laboratory fees, if any, must be paid in advance at registration for each semester. Candidates for graduation in any year must pay all graduation fees at the beginning of the second semester of that year.

The rules concerning attendance, standing, and examinations (see pages 59-61) apply to undergraduates in the School of Education.

THE COLLEGE IN WAR TIME

BROWN UNIVERSITY, in anticipation of the national need, organized in March, 1917, a Reserve Officers' Training Corps, under the direction of a Faculty committee on military affairs. More than four hundred students were soon enrolled, but at the end of the year less than half that number of names remained on the roster. More than two hundred students had entered the service.

The Corps was soon officially recognized by the War Department, and Major Charles W. Abbot, U. S. A., retired, was appointed its commanding officer. Major Abbot—promoted in 1918 to a colonelcy—assumed charge at the opening of the college year 1917-18, receiving from the University the title of Professor of Military Science and Tactics.

To aid in the work of the unit, the University arranged that certain picked students should receive training at the summer camp of the Harvard Reserve Officers' Training Corps, and later engaged as assistant to Major Abbot, Captain Alfred D. Borden of the Canadian Infantry, who had been invalided home after service in France. Thanks to the wise direction and the unstinted efforts of these competent officers, a high degree of proficiency was attained in the drill, and in the related activities, of the Brown Reserve Officers' Training Corps. As in the previous year, a large number of the students in the unit enlisted in one or another form of national service, leaving at the end of the year only one hundred and fifty men, most of whom were too young to enlist.

In the spring of 1918, the University, seeing the duty laid upon it by its situation on the coast, organized a Naval Training Unit, and through the courtesy of the Navy Department secured as its head Rear Admiral John R. Edwards, retired. Thus at the beginning of the college year, 1918-19, the University was fortunate in having in charge of its military and naval units officers of high rank, long experience, and proved ability.

In May, 1918, the Faculty appointed a committee, which should have full power with the approval of the Corporation to modify or reorganize the curriculum of the University as the necessities of the war might require. This committee, together with the committee on military affairs, remained in Providence a large part of the summer, and elaborated a new program,—calling for sessions of the Univer-

sity all the year round,—which aimed to fit students as directly as possible both for war activities and for such national service as would be required at the end of the war. This carefully worked-out plan was not, however, immediately put into effect. For it became evident, by the end of the summer, that the War Department was itself formulating extensive arrangements for military training in colleges, and in the carrying out of these plans Brown University was ready to give whole-hearted coöperation. At a meeting of university delegates at Cambridge, Mass., in August and again at Plattsburg, N. Y., in September, the War Department outlined the program of the Students' Army Training Corps, which organization was to supersede the Reserve Officers' Training Corps. Through the agency of the committees already spoken of, readjustments were made which prepared the University to carry out the instructions of the Government when these were received, only three days before the opening of college,—instructions which proved far more drastic than had been intimated at the conferences.

As an aid in the administration of the Students' Army Training Corps and the Naval Training Unit, another committee was formed, an Emergency Council of large powers, which was authorized to act immediately on all questions involving the relations of the University and the Government. This Council, with the authority of both the Corporation and the Faculty, was able to make rapid decisions respecting the continuous instructions received from the several departments at Washington, ensured a prompt handling of these important matters, and contributed to the efficiency of the University in the crisis.

The early days of the Students' Army Training Corps and of the Naval Training Unit were unavoidably days of some confusion. Not only were instructions from the Government received late—instructions not infrequently reversing each other—but students had to be registered, outfitted, inducted into the proper unit, provided with barracks and mess, and a workable program arranged for the required classes as well as for military drill and discipline. Extra military duties, such as ordnance work, kitchen police, and guard duty, together with difficulties attending the organization of the War Issues course (which the Government required to be taken by all members of the training units), and the introduction of supervised study, prevented the University from settling down at once to entirely satisfactory work. This confusion was unfortunately somewhat prolonged by the epidemic of influenza, which threatened the University in common

with the remainder of the city, but which was soon brought under control by the prompt institution of quarantine, strictly enforced by the military authorities. Notwithstanding all these difficulties, it was not long before harmonious relations had been established at all points between the academic and military departments of the University and the new system was in excellent working order.

Brown University fulfilled its obligation to the Government and to the Nation as efficiently as was possible under the circumstances. It responded to every demand made on it for candidates for Officers' Training Schools, and the students it sent attained high grades. The units were highly commended by inspectors, and their efficiency was acknowledged by all who were competent to judge. Had the war lasted through the present academic year, it is likely that practically the entire student body would have entered Government service with an excellent preliminary training, and with great enthusiasm for the service before them.

Approximately 958 Brown men, graduates and undergraduates, enlisted in the army, and approximately 202 in the navy. Of this number 42 men died in service. Besides these, 405 undergraduates were inducted into the Brown Students' Army Training Corps, and 213 into the Naval Training Unit.

OFFICERS WITH THE STUDENTS' ARMY TRAINING CORPS

CHARLES W. ABBOT	Col., U. S. A., Retired	<i>Commanding Officer</i>
CARL A. PETERSON	Capt., Inf., U. S. A.	<i>Executive Officer</i>
ROBERT C. SELLEW	1st Lt., M. C., U. S. A.	<i>Surgeon</i>
PERCY A. BUNN	1st Lt., D. C., U. S. A.	<i>Dentist</i>
BANCROFT BEATLY	1st Lt., C. A., U. S. A.	<i>Quartermaster</i>
CARL W. AMENDE	1st Lt., Inf., U. S. A.	
ROBERT J. TWYFORD	2d Lt., Q. M. C., U. S. A.	<i>Quartermaster</i>
JOHN H. MOORE	2d Lt., Inf., U. S. A.	<i>Adjutant</i>
WILLIAM D. SCHAS	2d Lt., Inf., U. S. A.	
EDWIN L. RODEN	2d Lt., Inf., U. S. A.	
GEORGE S. STANLEY	2d Lt., Inf., U. S. A.	
HAROLD D. SMITH	2d Lt., Inf., U. S. A.	
DAN H. McNEAL	2d Lt., Inf., U. S. A.	
ROY W. SULLIVAN	2d Lt., Inf., U. S. A.	
CARL H. STEWART	2d Lt., Inf., U. S. A.	
Assisted by		
ALFRED D. BORDEN	Capt., Canadian Infantry	
JAMES R. ESTY	Instructor in Military Training	

OFFICERS WITH THE NAVAL TRAINING UNIT

JOHN R. EDWARDS	Rear Admiral, U. S. N., Retired	<i>Commandant</i>
HARRY C. GRAFTON, JR.	Ensign, U. S. N. R. F.	<i>Executive Officer</i>
ROSCOE H. BROWN	Lieut. (jg), M. C. U. S. N. R. F.	<i>Medical Officer</i>
EDWARD J. LANE	Warrant Machinist, U. S. N. R. F.	<i>Engineering Instructor</i>
CHARLES J. GRANT	Ch. Quartermaster, U. S. N.	<i>General Instructor</i>
HARRY HALEY	M. M. 1c., U. S. N. R. F.	<i>Commanding Officer of Battalion</i>
THOMAS J. CONWAY	B's'n, 1c., U. S. N. R. F.	<i>Seamanship Instructor</i>
CLIFFORD VANDERHOOF	G. M. 2c., U. S. N. R. F.	<i>Ordnance Instructor</i>
WILLIAM J. SULLIVAN	Chief Yeoman, U. S. N. R. F.	<i>Chief Clerk to Commandant</i>

THE WAR-TIME CURRICULUM

DURING the first term the War-Time Curriculum (see page 68), with modified requirements for the degrees of A.B. and Ph.B., was superseded for all except civilian students by the course of studies prescribed by the Government. For the second and third terms it is in effect for all students, but with modifications made necessary by the ending of the war and the giving up of military instruction.

1. FOR THE FRESHMAN YEAR it provides a prescribed course of studies planned to insure an early acquaintance with correct methods of doing college work, to open the eyes of students to new interests, and to help them choose their subsequent course of study.

The courses listed below under groups A and B constitute the regular requirements. Group C provides an option for students who, on entrance, expect to elect a particular concentration group in subsequent college years. One or two courses of Group C may be substituted for courses in Group B with the consent of the Committee on Admission.

FRESHMAN GROUPS

A. *Military Science or Naval Science*

Orientation Lectures

B. *Mathematics*

Biology

English

Latin or Greek for A.B.

French, German, or Spanish for Ph.B.

History

C. *Chemistry*

Modern Language

Latin or Greek

Classical Civilization

2. FOR THE SOPHOMORE, JUNIOR, AND SENIOR YEARS it provides a course of studies elected with the advice of the Committee on Electives. To insure some degree of mastery in a definite field of knowledge, subjects are arranged in groups with reference to the prospective career of the student. Five such groups are distinguished with special regard to the immediate needs of the nation in time of war.

1. *Army, Navy, Merchant Marine.*

2. *Civil Service and Business Administration.*

3. *Teaching and Applied Psychology.*

4. *Chemical Services: Gas Defense, Munitions, Industrial Chemistry.*

5. *Surgery and Medicine: Sanitary Service, Public Health, Food and Nutrition.*

6. If none of these concentration groups serves to prepare a student for the career he desires to follow, a special group may be arranged with the advice and approval of the Committee on Electives.

The courses required in the concentration groups will occupy from one-third to one-half of the student's schedule in the last three years. Students are advised to take general cultural work in addition to special training.

COURSES GIVEN DURING THE FIRST TERM, 1918-19

Art

19. Museum Methods and Museum Material.

21. Art Seminary.

Biblical Literature and History

3. Historical Hebrew.

13. Acts and Pauline Epistles.

15. Old Testament Literature and History.

21. Biblical Seminary.

23. Alexandrian Jewish Literature.

Biology

1. General Biology.
3. Comparative Anatomy of Vertebrates.
7. Embryology and Histology.
12. General Physiology.
13. Chemical Physiology.
16. Bacteriology.
17. Advanced Bacteriology.
18. Advanced Bacteriology.
37. Bacteriological Research.

Botany

3. Physiological Anatomy.
13. Plant Pathology.

Chemistry

1. Descriptive Chemistry.
3. Qualitative and Quantitative Analysis.
5. Quantitative Analysis, Advanced Course.
7. Organic Chemistry.

Economics

1. Elementary Economics.
5. Money and Banking.
7. Problems of Labor and Industry.
16. Corporations and Corporation Finance.
17. Accounting.

Education

2. Principles of Education.
3. Psychology of Education, the Learning Process.
5. Secondary Education, Organization, and Function.
7. Problems in Practical Teaching, Secondary School.
11. Experimental Education.
13. Administration of Education.
15. Seminary in Education.
19. Experimental Education, Research Course.

Engineering

- A. Military Engineering.
 1. Elements of Engineering.
 3. Elementary Mechanical Drawing.
 5. Surveying, Advanced Field Work.

7. Mechanics and Graphics.
9. Steam Engine Practice.

(a) *Civil Engineering*

7. Railroad Engineering.
18. Surveying.

(b) *Electrical Engineering*

- A. Wireless Telegraphy
 1. Introductory Technical Course.
 3. Elementary Electrical Engineering.
 5. Telegraph Engineering.
 9. Theory of Alternating Currents.
14. Alternating Current Machine Design.
16. Traction and Transmission Engineering.
18. Seminary in Electrical Engineering.
19. Thesis.

(c) *Mechanical Engineering*

5. Manufacturing Methods.
9. Kinematics.
14. Power Plant Engineering.
15. Thermodynamics.
17. Engineering Practice.
18. Engineering Practice.
22. Advanced Seminary and Laboratory Course.

(d) *Mechanics*

1. Mechanics of Solids.

English

1. Rhetoric and Composition.
3. English Composition, Second Course.
11. Public Speaking.
15. Old English.
35. English Literature from 1798 to 1832, Poetry.
39. American Literature.

Geology

15. Military Geology and Geography.
11. Research in Geology and Geography.
13. Problems in Dynamic and Stratigraphic Geology.

Germanic Languages and Literatures

A. Military German.

1. Elementary Course, First Year.
3. Elementary Course, Second Year.
7. Advanced Course in Classical and Modern Authors.
9. Modern Germany; Advanced Composition.
19. Introduction to Scientific Prose.

Greek Literature and History

A. Beginner's Course, Greek Drama, Xenophon, and Homer.

1. Homer and other Greek Poetry exclusive of the Drama.
3. Lucian and the Drama.
15. Greek Civilization.

History

War Issues.

- A. Europe since 1870.
- D. The United States since 1860.
1. Medieval Europe to 1250.

Mathematics

A. Artillery Firing Data

Plane Trigonometry. ‡

Elementary Algebra. ‡

Plane Geometry. ‡

A-D. Naval Science.

Navigation.

5. Plane Analytic Geometry.
7. Differential and Integral Calculus.
- 17 A. Plane Trigonometry and Analytical Geometry.
- 19 A. Analytic Geometry and Calculus.
25. Advanced Algebra.
29. Introduction to Analysis.
61. Elementary Analysis.
63. Elementary Analysis.

Philosophy

1. Introduction to Philosophy.
3. Psychology and its Applications.
5. Psychology, Intermediate Course.

‡ Emergency courses given to meet special needs.

11. Experimental Psychology, Introductory Laboratory Course.
13. Logic.
23. Studies in Philosophy and Religion.

Physics

1. Elementary Physics.
3. Elementary Physics, Continued.
21. Theory of Measurements.
23. Precision Measurements in Photometry, Electricity, and Magnetism.
27. Elementary Physics.
29. Elementary Physics.

Roman Literature and History

1. Cicero's "De Senectute," "De Amicitia;" Terence's "Phormio."
3. Selections from Tacitus, Pliny the Younger, Martial.

Romance Languages and Literatures

- A. Military French.
 1. Elementary French, First Year.
 3. Elementary French, Second Year.
 5. Intermediate French.
- 7 and 9. Advanced French.
19. Dante in English.
15. Elementary Spanish, First Year.
21. Elementary Spanish, Second Year.

Political Science

- A. Military Law.
 1. Elementary Political Science.
 3. Government and Politics of the United States.
 6. International Law.

Social Science

3. Modern Social Problems.
7. Sociology as a Science.
13. Social Investigation and Training.

COURSES OF INSTRUCTION

ON account of the division of the academic year 1918-19 into three terms it has been found necessary to renumber the courses. The numbers in parentheses refer to the course as listed in 1917-18 on the semester basis. Courses usually offered, but not given in 1918-19, are omitted from this list. For fuller information regarding the courses students should consult the catalogue for 1917-18 or confer with the officers in charge.

When courses are grouped in one paragraph, they constitute a continuous course and neither term may be elected independently unless specific statement to the contrary is made. When the time of meeting is not announced, it will be arranged by the instructor at the beginning of the term.

I. ART

FRANCIS GREENLEAF ALLINSON, PH.D., *David Benedict Professor of Greek Literature and History, Director of the Museum of Fine Arts*
JOHN SHAPLEY, PH.D., *Instructor in Art*

101, 102 (11, 12). *General History of Art*. Dr. SHAPLEY

Three hours. Second and third terms. Elective for Undergraduates. Either term may be elected independently. *Mon., Wed., Fri., at 11.20.*

110, 111, 112 (15,* 16*). *Freehand Drawing*

One hour. Two hours of drawing. Through the year. Elective for Undergraduates. Given at the Rhode Island School of Design. Hours to be arranged with the Director of the School of Design.

113, 114, 115 (17,* 18*). *Advanced Drawing*

Three hours. Six hours of drawing, or four hours of drawing and one hour lecture on Historic Ornament. Through the year. Elective for students who have credit for or are taking 11, 12, and who have credit for 15, 16. Given at the Rhode Island School of Design. *Mon., Tu., Wed., at 2.* Lecture hour to be arranged with the Director of the School of Design.

116, 117, 118 (19, 20). *Museum Methods and Museum Material*.
Dr. SHAPLEY

Three hours. Through the year. Elective for students who have credit for 13. *Wed., 2 to 4; Fri. at 2.*

122, 123, 124 (21, 22). *Art Seminary*. Dr. SHAPLEY

Three to twelve hours. Through the year. Elective for Graduates and approved Undergraduates. *Mon., 2 to 4; Fri. at 3.*

II. ASTRONOMY

ROLAND GEORGE DWIGHT RICHARDSON, PH.D., *Professor of Pure Mathematics, Acting Director of the Ladd Observatory*

CLINTON HARVEY CURRIER, A.M., *Assistant Professor of Mathematics*

101, 102 (1, 2). *Descriptive Astronomy*. Professor CURRIER

Three hours. Second and third terms. Elective for candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who have credit for or are taking Plane Trigonometry. *Mon., Wed., Fri., at 9.20.*

[7, 8. *Advanced Astronomy*]

Three hours. Through the year. Elective for approved students. Not offered in 1918-19.

III. BIBLICAL LITERATURE AND HISTORY

LANGUAGES

HENRY THATCHER FOWLER, PH.D., *Professor of Biblical Literature and History*

MARION EMMETT BRATCHER, PH.D., *Lecturer in Biblical Literature and History*

101, 102 (1, 2). *Elementary Hebrew*. Dr. BRATCHER

Three hours. Second and third terms. Elective for Juniors, Seniors, and Graduates. Will begin in January, if applied for.

103, 104, 105 (3, 4). *Historical Hebrew*. Dr. BRATCHER

Three hours. Through the year. Elective for students who have credit for 1, 2.

113, 114, 115 (13, 14). *Acts and Pauline Epistles*. Professor FOWLER

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Any term may be elected independently.

116, 117, 118 (23, 24). *Alexandrian Jewish Literature*. Professor FOWLER

Three hours. Through the year. Elective for students who have an adequate knowledge of Greek. May be begun in January.

LITERATURE AND HISTORY IN ENGLISH

122, 123, 124 (15, 16). *Old Testament Literature and History*.

Professor FOWLER

Three hours. Through the year. Elective for Sophomores, Juniors, Seniors, and Graduates. Any term may be elected independently. *Tu., Th., Sat., at 11.20.*

125, 126, 127 (21,* 22*). *Biblical Seminary*

Subject for 1918-19: The Jewish Wisdom Literature and the Stoic Philosophy. *Professor FOWLER.*

Three hours. Through the year. Elective for Graduates and approved Juniors and Seniors. *Mon. at 2.15.*

134, 135 (30). *History of Religion*. Professors FOWLER and JONES

Three hours. Second and third terms. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 10.20.*

IV. BIOLOGY

ALBERT DAVIS MEAD, PH.D., SC.D., *Professor of Biology*

FREDERIC POOLE GORHAM, A.M., *Professor of Bacteriology*

HERBERT EUGENE WALTER, PH.D., *Associate Professor of Biology*

PHILIP HENRY MITCHELL, PH.D., *Assistant Professor of Physiology*

JOHN BURNHAM FERGUSON, A.B., M.D., *Demonstrator in Anatomy*

JAMES WALTER WILSON, PH.B., *Assistant in Biology*

101, 102, 103 (1, 2). *General Biology*. Professor GORHAM

Three hours. Six hours of attendance. Through the year. Required in the Freshman or Sophomore year of candidates for the degree of Bachelor of Philosophy. Elective for Undergraduates. Students who have not had the first term's work may enter at the beginning of the second term. Lectures, *Tu., Th., Sat., at 12.20.* Laboratory hours to be arranged. Laboratory fee, \$3 a term.

104, 105, 106 (3, 4). *Comparative Anatomy of Vertebrates*. Professor WALTER

Three hours. Six hours of attendance. May be begun in the second term. Through the year. Elective for Sophomores, Juniors, and Seniors who have credit for 1, 2. *Mon., Wed., Fri., at 8.* Laboratory fee, \$3 a term.

[107, 108, 109 (5, 6). *Anatomy of the Nervous System*]

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1, 2. By written consent of the department

this course may be elected for six hours. Laboratory fee, \$4.50 a semester. Not offered in 1918-19.

110, 111, 112 (7, 8). *Embryology and Histology*. Professor MEAD
Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1, 2. By special consent may be begun in the second term. *Tu., Th., Sat., at 8*. By written consent of the department this course may be elected for six hours. Laboratory fee, \$3 a term.

113, 114 (9, 10). *Advanced Histology and Pathology*. Professor MEAD

Three hours. Six hours of attendance. Second and third terms. Elective for Juniors, Seniors, and Graduates who have credit for 7. By written consent of the department this course may be elected for six hours. Laboratory fee, \$3 a term.

116 (12). *General Physiology*. Professor MITCHELL

Three hours. Six hours of attendance. Second term. Must be preceded by 1, 2 and Chemistry 1, 2. Elective for Juniors and Seniors, and for Sophomores who are not taking any other course in the department. *Mon., Wed., Fri., at 11.20*. Laboratory fee, \$3 a term.

119, 120, 121 (13, 14). *Chemical Physiology*. Professor MITCHELL

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for or are taking Chemistry 113, 114, 115 (7, 8). *Tu., Th., Sat., at 9.20*. By written consent of the department this course may be elected for six hours. Laboratory fee, \$3 a term.

122 (15). *Invertebrate Zoölogy*. Professor WALTER

Three hours. Six hours of attendance. Third term. Elective for Undergraduates who have credit for 1, 2. Laboratory fee, \$3.

128 (16). *Bacteriology*. Professor GORHAM

Three hours. First term. Elective for Juniors and Seniors, and for Sophomores who are not taking any other course in the department. Laboratory fee, \$3.

131, 132, 133 (17, 18). *Advanced Bacteriology*. Professor GORHAM

Three hours. Six hours of attendance. Through the year. Elective for Juniors, Seniors, and Graduates who have credit for 16. By written consent of the department this course may be elected for six hours. Laboratory fee, \$3 a term.

134, 135, 136 (33, 34). *Biological Research*. Professors MEAD and WALTER

Three to twelve hours. Through the year. Elective for Graduates.

137, 138, 139 (35, 36). *Advanced Physiology*. Professor MITCHELL
Three hours. Through the year. Elective for Seniors and Graduates who have sufficient knowledge of chemistry and physiology. Laboratory fee, \$3 a term.

140, 141, 142 (37, 38). *Bacteriological Research*. Professor GORHAM

Three to twelve hours. Through the year. Elective for Graduates who have credit for 16 and 17, 18.

143, 144, 145 (39, 40). *Biological Theories and Problems*
Seminary course. Professor MEAD.

One to three hours. Through the year. Elective for Graduates.

146, 147, 148 (41, 42). *Zoölogical Seminary*. Professor WALTER
One to three hours. Through the year. Elective for Graduates.

149, 150, 151 (43, 44). *Physiological Research*. Professor MITCHELL

Three to twelve hours. Through the year. Elective for Graduates.

V. BOTANY

HARLAN HARVEY YORK, PH.D., *Assistant Professor of Botany*

JAMES FRANKLIN COLLINS, PH.B., *Demonstrator in Botany*

101 (20). *Elementary Botany*

Three hours. Six hours of attendance. Second term. May be taken in the Freshman or Sophomore year in place of Biology 2 in partial fulfilment of the requirement in biology for the degree of Bachelor of Philosophy. Elective for others by permission. Lectures, *Mon., Th., Fri., at 3*. Laboratory fee, \$1.

104, 105, 106 (1, 2). *General Course*

Three hours. Six hours of attendance. Through the year. Elective for Undergraduates. Lectures, *Mon., Wed., at 8*. Laboratory, *Mon., Tu., 2 to 4*. Laboratory fee, \$1 a term.

107, 108, 109 (3, 4). *Physiological Anatomy*

Three hours. Six hours of attendance. Through the year. Elective for students who have credit for 1, 2, or its equivalent. By written consent of the department this course may be elected for six hours. Laboratory fee, \$3 a term for each three hours of credit.

110, 111, 112 (7, 8). *Special Course*

Three hours. Through the year. Any term may be elected independently. Elective for Graduates and approved Juniors and Seniors. By written consent of the department this course may be elected for six or nine hours. Students electing this course must make arrangements with the instructor before June 1 of the year preceding that in which they wish to take the course. Laboratory fee varies according to the work taken.

116, 117, 118 (11, 12). *Physiology*

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1, 2 and either 3, 4, or 5, 6, and for Graduates. By written consent of the department this course may be elected for six hours. Laboratory fee, \$3 a term for each three hours of credit.

113, 114, 115 (13, 14). *Plant Pathology*

Six hours. Twelve hours of attendance. Through the year. Elective for students who have credit for 1, 2 and either 3, 4, or 5, 6. By written consent of the department this course may be elected for three hours. Laboratory fee, \$3 a term for each three hours of credit.

VI. CHEMISTRY†

ROBERT FOSTER CHAMBERS, PH.D., *Assistant Professor of Chemistry*

SAMUEL TOMLINSON ARNOLD, PH.D., *Assistant Professor of Chemistry*

HERBERT FRANKLIN DAVISON, A.M., *Assistant Professor of Chemistry*

ARTHUR EARL BARNARD, PH.D., *Instructor in Chemistry*

ALBERT EDWIN DILLINGHAM, PH.B., *Instructor in Chemistry*

HENRY WEEDEN UNDERWOOD, JR., SC.M., *Assistant in Chemistry*

WILLIAM WALKER RUSSELL, PH.B., *Assistant in Chemistry*

101, 102, 103 (1, 2). *Descriptive Chemistry*§||

Non-metals; metals, their metallurgy, compounds, and practical applications; theoretical chemistry. Lectures with experiments; written exercises; laboratory work. *Professor DAVISON and Mr. RUSSELL.*

Three hours. Through the year. Elective for Undergraduates. *1st division Mon., Wed., Fri., at 9.20; 2d division, Tu., Th., Sat., at 9.20.* Laboratory fee \$3 a term.

107, 108, 109 (3, 4). *Qualitative and Quantitative Analysis*||

Properties of the metallic elements; their separation from certain of their compounds. The principal non-metals and the acids formed by them; methods of separation and recognition of acids and acid radicals. Quantitative precipitations and separations of the most important elements and compounds; the principles upon which quantitative apparatus is constructed. Laboratory work; recitations in qualitative analysis and in chemical theory; exercises in stoichiometry. *Professor ARNOLD and Mr. DILLINGHAM.*

Three hours. Six hours of attendance. Through the year. Elective for students who have credit for 1, 2. *Sat. at 11.20.* Laboratory fee, \$5 a term.

† Courses 1, 2, or 51, 52; 3, 4, 7, 8, and 15, 16 are designed to give a thorough general introduction to chemistry to serve as a foundation for teaching chemistry, or for advanced study in medicine, bacteriology, botany, and chemistry. Course 9 is offered for those who intend to follow sanitary work.

§ Credit for the entrance requirement in Chemistry admits only to 51, 52, which may not be taken without previous preparation. Students who wish to enter more advanced courses while taking 51, 52 must pass a special test at the time of the entrance examination in Chemistry. This test will cover the following topics: 1. All of the non-metals with their principal compounds and the processes of manufacture of the chief commercial products from non-metals. 2. About thirty important metals, their occurrence, preparation from the ore, the preparation and uses of their chief compounds. 3. The general principles of chemical action which depend upon physical laws. 4. Methods of making chemical computations of moderate difficulty. Preparation for this test may require the equivalent of six hours a week for one school year.

|| Courses in Descriptive Chemistry 101, 102, 103 (1, 2) and in Qualitative Analysis 107, 108 (3, 4) will be started at the beginning of the second term.

*Professor
John E. Bunch
1916-1917*

110, 111, 112 (5, 6). *Quantitative Analysis, Advanced Course*

Acidimetry and alkalimetry; analysis of pure chemical compounds, minerals, ores, slags, alloys, limestone, iron, and steel; analysis of organic compounds; examination of agricultural products, testing of chemicals used in textile establishments, gas analysis, etc. *Professor ARNOLD and Mr. DILLINGHAM.*

Six hours. Twelve hours of attendance. Through the year. Elective for approved Juniors, Seniors, and Graduates who have credit for 3, 4. Laboratory fee, \$5 a term.

113, 114, 115 (7, 8). *Organic Chemistry*

Preparation and analysis of representative organic compounds. Lectures, recitations, and laboratory work. *Professor CHAMBERS and Dr. BARNARD.*

Six hours. Through the year. Elective for approved Juniors, Seniors, and Graduates who have credit for 3, 4. By written consent of the department 115 may be omitted. *Tu., Th., Sat., at 10.20.* Laboratory fee for course 114, \$5; for course 115, \$7.50.

116 (9). *Sanitary Chemistry*

Qualitative and quantitative examination of air, water, food and food adulterants, flour, bread, milk, butter, etc. Also the analysis of sewage and effluents. Lectures, recitations, and laboratory work. *Professor ARNOLD.*

Three hours. First term. Elective for students who have credit for 1-4 and 7, 8. Laboratory fee, \$5.

122 (12). *Organic Dyes*

The chemistry and use of mordants, dyes, etc.

Three hours. Six hours of attendance. Third term. Elective for approved Seniors and Graduates. Laboratory fee, \$5.

149, 150, 151 (17, 18). *Physical Chemistry, Advanced Course*

Lectures and laboratory work.

Three hours. Through the year. Elective for approved Graduates who have credit for Physics 1-4, and have credit for or are taking Mathematics 7, 8, or 122, 123, 124. Laboratory fee, \$2.50 a term.

125 (19). *Organic Chemistry, Advanced Course.* *Professor CHAMBERS*

Three hours. First term. Elective for approved Juniors, Seniors, and Graduates. *Wed., 2 to 4.*

(15, 16) *Physical Chemistry*

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates.

128, 129 (20). *Inorganic Chemistry, Advanced Course.* Professor CHAMBERS

Three hours. Second and third terms. Elective for approved Juniors, Seniors, and Graduates. *Wed., 2 to 4.*

131, 132, 133 (21, 22). *Organic Preparations, Advanced Course.* Professor CHAMBERS and Dr. BARNARD

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates who have credit for 7, 8. By written consent of the department this course may be elected for six or nine hours. Laboratory fee, \$5 a term for each three hours of credit.

6 hours
Summer
7 19 19

134, 135, 136 (23, 24). *Inorganic Preparations, Advanced Course.* Professor CHAMBERS and Dr. BARNARD

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. By written consent of the department this course may be elected for six or nine hours. Laboratory fee, \$5 a term for each three hours of credit.

137, 138, 139 (25, 26). *Research Work in Chemistry.* Professor CHAMBERS

Three or more hours. Through the year. Elective for Graduates. Laboratory fee, \$5 a term for each three hours of credit.

140, 141, 142 (27, 28). *Conference on Special Topics in Chemistry.* Professors ARNOLD and CHAMBERS

One hour. Through the year. Elective for approved students.

146 (32). *Industrial Analysis*

Analysis of commercial products. Lectures, recitations, and laboratory work. Professor ARNOLD.

Three hours. Third term. Elective for students who have credit for 1-8 and 15, 16. Laboratory fee, \$5.

VII. ECONOMICS ‡

HENRY BRAYTON GARDNER, PH.D., *Professor of Economics*

ALVIN HARVEY HANSEN, PH.D., *Instructor in Economics*

GEORGE FRANK HAMILTON, B.C.S., *Lecturer in Economics*

101, 102 (1). *Elementary Economics*. Professor GARDNER and Dr. HANSEN

Three hours. First and second terms. *Tu., Th., Sat., at 9.20*. For students who did not take Economics in the first term, the course will be offered in the second and third terms. *Mon., Wed., Fri., at 11.20*.

104, 105, 106 (5, 6). *Money and Banking*. Professor GARDNER
Three hours. Through the year. *Tu., Th., Sat., at 8*.

107 (7). *Problems of Labor and Industry*. Dr. HANSEN
Three hours. First term. *Tu. Th., Fri., at 7.15 p.m.*

119 (16). *Corporations and Corporation Finance*. Dr. HANSEN
Three hours. First term. *Tu., Th., Sat., at 9.45*.

110, 111 (8). *Socialism and Allied Movements*. Dr. HANSEN
Three hours. Second and third terms. Second term, Socialism; third term, Reform and Reconstruction movements. *Mon., Wed., Fri., at 12.20*.

116. *Trusts and Combinations*. Dr. HANSEN
Three hours. Second term. *Mon., Wed., Fri., at 10.20*.

117 (15). *Trade and Transportation in the United States*. Dr. HANSEN
Three hours. Third term. *Mon., Wed., Fri., at 10.20*.

125, 126 (17, 18). *Accounting*. Mr. HAMILTON
Three hours. First and second terms. *Mon., Th., Fri., at 5*.

‡ Course 101, 102(1) is a prerequisite for all other courses in the department. Students who took Economics 101 (1) in the first term may take in the second term Social Science 101 (1) or Economics 102 (1). Two terms of Economics and one term of Social Science or Political Science will be accepted as meeting the requirement of a year's work.

VIII. EDUCATION ‡

WALTER BALLOU JACOBS, A.M., *Professor of Education, Director of University Extension*

STEPHEN SHELDON COLVIN, PH.D., *Professor of Educational Psychology, Director of the School of Education*

104 (1). *History of Education*. PROFESSOR JACOBS

Three hours. Second term. Elective for Sophomores, Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

101 (2). *Principles of Education*. PROFESSOR JACOBS

Three hours. First term. Elective for Sophomores, Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

107 (4). *Introduction to Teaching*. PROFESSOR JACOBS

Three hours. Third term. Elective for Sophomores, Juniors, and Seniors. *Mon., Wed., Fri., at 12.20.*

110, 111, 112 (5, 6). *Secondary Education*. PROFESSOR JACOBS

Three hours. Two hours of attendance. Through the year. Elective for Graduates and experienced teachers, and for approved Seniors. *Wed., 3.30 to 5.30.*

113, 114, 115 (3, 18). *Psychology of Education, The Learning Process, Mental Tests and Measurements*. PROFESSOR COLVIN

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. May be begun in the second term.

116, 117, 118 (7, 8). *Problems in Practical Teaching, Secondary Schools*. PROFESSORS JACOBS and COLVIN

Three hours. Through the year. Elective for Graduates who have credit for elementary courses in Education and are taking 110, 111, 112, and 125, 126, 127. *Fri. at 4, and at other hours to be arranged.*

‡ By special permission Seniors may be admitted at the beginning of the second or third term to 110, 111, 112 (5, 6); 122, 123, 124 (13, 14); 125, 126, 127 (15, 16).

Those who intend to teach are advised to elect courses 2 and 1 during the Junior year. Courses 1-4 cover the usual requirements for Certificates of the First Grade except where practice teaching or experience is demanded. In Rhode Island a certificate is required of all teachers in schools supported in whole or in part by public money. Certificates of the First Grade are granted without examination to those who have completed courses 1-4 and hold a college degree. Due credit toward the certificate is also given for separate courses. Course 18 will be accepted in place of course 4.

For further explanation of the work of this department, see page 121.

119, 120, 121 (11, 12). *Experimental Education*. Professor COLVIN

Three hours. Through the year. Elective for Graduates and properly qualified teachers. *Wed.*, 4 to 6.

122, 123, 124 (13, 14). *Administration of Education*. Professor JACOBS

Three hours. Through the year. Two hours of attendance. Elective for Graduates, experienced teachers, principals, and superintendents, and for approved Seniors. *Th.*, 4 to 6.

125, 126, 127 (15, 16). *Seminary in Education*. Professor JACOBS

Three hours. Two hours of attendance. Through the year. Required of student-teachers. Elective for Graduates and experienced teachers, and for approved Seniors. *Sat.*, 10.20 to 12.20.

128, 129, 130 (19, 20). *Experimental Education, Research Course*. Professor COLVIN

Three hours. Through the year. Attendance by appointment. Elective for Graduates who have credit for 11 and 12. *Mon.*, 4 to 6.

IX. ENGINEERING

JOHN EDWARD HILL, C.E.M., Sc.D., *Professor of Civil Engineering*

WILLIAM HERBERT KENERSON, M.E., A.M., † *Professor of Mechanical Engineering, Executive Secretary of the Division of Engineering*

ANSEL BROOKS, Ph.B., M.E., ‡ *Associate Professor of Mechanics and Mechanical Drawing*

ARTHUR EUGENE WATSON, Ph.D., *Assistant Professor of Electrical Engineering*

HARDY CROSS, A.B., C.E.M., † *Assistant Professor of Civil Engineering*

JAMES ALEXANDER HALL, A.B., Sc.B., *Assistant Professor of Mechanical Engineering*

SYDNEY WILMOT, Sc.B., A.M., *Assistant Professor of Applied Mechanics*

JOSEPH OTIS FULLER, Sc.B., *Instructor in Mechanical Engineering*

FREDERICK NEALE TOMPKINS, Sc.B., *Instructor in Electrical Engineering*

ROSS HADLEY, *Assistant in Pattern Making*

101, 102, 103 (1, 2). *Elements of Engineering*. Professors KENERSON, HILL, and HALL, and assistants

Three hours. Six hours of attendance. Through the year. Elective for students who have taken or are taking Mathematics, including trigonometry. *Mon., Wed., Fri., 9.20 to 11.20.*

104 (3). *Elementary Mechanical Drawing*

Three hours. Six hours of drawing. First term and part of second term. Required in the Freshman year of candidates for the degree of Bachelor of Science. Elective for other students. *Mon., Wed., Fri., 10.20 to 12.20.*

107 (5). *Surveying, Advanced Field Work*

A continuation of Engineering 1. Professor HILL.

Supplementary summer term.

110 (6). *Shop Practice*. Professor HALL, Messrs. FULLER and HADLEY

Supplementary summer term of four weeks. Laboratory fee, \$7.50.

† On leave of absence during the second and third terms of the academic year 1918-19.

‡ On leave of absence during the academic year 1918-19.

113, 114, 115 (7, 8). *Mechanics and Graphics*

Continuation of Engineering 1, 2. Professors KENERSON and HALL, and assistants.

Three hours. Six hours of attendance. Through the year. Elective for students who have taken Engineering 1, 2, and have taken or are taking Mathematics 19 A, 20 A. Tu., Th., Sat., at 9.20. Laboratory or drafting-room hours to be arranged.

116 (9). *Steam Engine Practice*. Professor HALL and Mr. LANE

Two hours. Four hours of attendance. First term.

C. *Wireless Telegraphy*

Intended for those who propose to enter government or commercial signal service. Mr. TOMPKINS.

Three hours. Two hours of practice with the code, two of laboratory work, one of recitation. First term. Elective for Undergraduates and Graduates.

A. CIVIL ENGINEERING

101 (7). *Railroad Engineering*. Professor HILL and assistants

Three hours (six hours of field work). First term.

104 (10). *Geodesy*. Professor HILL

Two hours. One hour of recitation and two hours of computations. Second or third term. Elective for students who have credit for 4 and Astronomy 5.

107 (12). *Highway Engineering*. Professor HILL

Three hours. Second or second and third terms. Elective for Sophomores, Juniors, and Seniors. Mon., Wed., Fri., at 11.20.

108, 109 (14). *Elements of Structures*

The course aims to cover thoroughly the fundamental principles of simple structural design, and the essentials of routine structure work. Professor WILMOT.

Four hours. Third term. Elective for students who have credit for Mechanics 1.

110 (18). *Surveying*. Professor HILL and assistants

One hour. Second term. Not elective.

113 (34). *Hydraulic Surveying (Applied Hydraulics)*

One hour. Three hours of recitation or eight hours of field work. Last third of second term. Elective for students who have credit for 5 and Mechanics 3.

116, 117, 118 (45, 46). *Water Supply and Sewerage*. Professor HILL

Four hours and three hours. Through the year. Course 45 is elective for Seniors in the second or second and third terms. *Tu., Th., Sat., at 9.20.*

Course 46 is elective for students who have credit for Mechanics 3 and Civil Engineering 14.

36. *Thesis*

B. ELECTRICAL ENGINEERING‡

101, 102, 103 (1, 2). *Introductory Technical Course*. Professor WATSON and Mr. TOMPKINS

Three hours. Two hours of recitation and two hours of laboratory work. Through the year. Elective for students who have credit for Physics 1, 2, or 27, 28, and Mathematics 5 or 18. Required of candidates for the degree of Bachelor of Science in Mechanical Engineering.

104 (3). *Elementary Electrical Engineering*. Professor WATSON

Three hours. Two hours of recitation and two hours of laboratory work. First term. Elective for students who have credit for Physics 1, 2, or 27, 28, and Mathematics 5 or 18. Required of candidates for the degree of Bachelor of Science in Civil Engineering.

107 (5). *Telegraph Engineering*. Professor WATSON

Two hours. One hour of recitation and two hours of laboratory work. First term. Elective for students who have credit for Physics 1, 2, or 27, 28.

110 (6). *Telephone Engineering*. Professor WATSON

Two hours. Second term. Elective for students who have credit for 1 or 3.

113 (8). *Direct Current Machine Design*. Professor WATSON and Mr. TOMPKINS

Three hours. Second term. Elective for students who have credit for 1.

116 (9). *Theory of Alternating Currents*. Professor WATSON and Mr. TOMPKINS

Four hours. Three hours of recitation and two hours of laboratory work. First term. Elective for students who have credit for 2 and Mathematics 20.

‡ All the courses in this department, except 3, are required of candidates for the degree of Bachelor of Science in Electrical Engineering.

119 (10). *Alternating Current Apparatus*. Professor WATSON and Mr. TOMPKINS

Four hours. Three hours of recitation and two hours of laboratory work. Second term. Elective for students who have credit for 2.

122 (14). *Alternating Current Machine Design*. Mr. TOMPKINS

Three hours. Second term. Elective for students who have credit for 116 (9).

125 (16). *Traction and Transmission Engineering*. Professor WATSON

Two hours. Second term. Elective for students who have credit for 11.

128, 129, 130 (17, 18). *Seminary in Electrical Engineering*

One hour. Through the year. Elective for students who have credit for 2.

131, 132, 133 (19, 20). *Thesis*

C. MECHANICAL ENGINEERING ‡

101 (1). *Pattern Making*. Professor HALL and Mr. HADLEY

Two hours. Four hours of attendance. First term.

[104 (2). *Machine Shop Practice*]

Three hours. Six hours of attendance. Second term. Not offered in 1918-19.

107 (5). *Manufacturing Methods*. Professor HALL

Three hours. Six hours of attendance. First term. Elective for Sophomores, Juniors, and Seniors.

110 (9). *Kinematics*. Professor HALL

Three hours. Six hours of attendance. First term. Elective for students who have credit for 8, and for others by permission.

113 (10). *Elements of Machine Design*. Professor HALL and Mr. FULLER

Three hours. Six hours of attendance. Second term. Elective for students who have credit for or are taking 110 (9) and Mechanics 102.

116, 117, 118 (11, 12). *Machine Design*. Professor HALL

Three hours. Six hours of attendance. Through the year. Elective for students who have credit for 10. Offered only in summer of 1918.

‡ All the courses in this department are required of candidates for the degree of Bachelor of Science in Mechanical Engineering and, with the exception of 1 and 2, are elective for other students.

119 (14). *Power Plant Engineering*. Professor HALL

Three hours. Six hours of attendance. Second term. Elective for students who have credit for 15, 16.

122, 123, 124 (15, 16). *Thermodynamics*. Professors KENERSON and HALL

Three hours. Through the year. Elective for students who have credit for or are taking Physics 101, 102, 103 (1, 2).

125, 126, 127 (17, 18). *Engineering Practice*. Professors KENERSON and HALL, Mr. FULLER

Three hours. Through the year. Elective for students who have credit for or are taking 122, 123, 124 (15, 16).

128, 129, 130 (19, 20). *Materials of Engineering*. Professor KENERSON

Three hours. Through the year. Elective for students who have credit for or are taking Mechanics 101 (1). Offered only in summer of 1918.

131 (22). *Advanced Seminary and Laboratory Course*. Professors KENERSON and HALL

Three hours. Second term.

134 (24). *Applied Hydraulics*

One hour. Second term. Must be taken with Mechanics 107 (4). Offered only in summer of 1918.

137, 138, 139 (25, 26). *Thesis*

D. MECHANICS

101, 102, 103 (1, 2). *Mechanics of Solids*. Professor WILMOT

Four hours. Through the year. Required of candidates for the degree of Bachelor of Science. Elective for students who have credit for Mathematics 7, 8. *Mon., Tu., Th., Fri., at 12.20.*

104 (3). *Mechanics of Fluids*

Three hours. First term. Required of candidates for the degree of Bachelor of Science. Elective for students who have credit for 1, 2. Offered only in summer of 1918.

107 (4). *Applied Hydraulics*

One hour. Second term. Required of candidates for the degree of Bachelor of Science. Elective for students who have credit for 104 (3). Must be taken with Civil Engineering 113 (34) and Mechanical Engineering 134 (24). Offered only in summer of 1918.

X. ENGLISH †

WALTER COCHRANE BRONSON, A.M., LITT.D., *Professor of English*

LINDSAY TODD DAMON, A.B., † *Professor of English*

ALBERT KNIGHT POTTER, A.M., *Professor of English*

GEORGE WYLLYS BENEDICT, PH.D., *Associate Professor of English*

THOMAS CROSBY, JR., A.M., *Associate Professor of English and Public Speaking*

HENRY BARRETT HUNTINGTON, A.B., *Associate Professor of English*

WILLIAM THOMSON HASTINGS, A.M., *Assistant Professor of English*

KENNETH OLIVER MASON, A.M., *Instructor in English*

GROVER CLEVELAND LOUD, A.B., *Instructor in English*

BERT EMSLEY, A.B., *Instructor in English*

101, 102 (1). *Rhetoric and Composition*. Professors BENEDICT, BRONSON, POTTER, CROSBY, and HASTINGS, Messrs. MASON, LOUD, and EMSLEY

Three hours. First and second terms, and second and third terms. Required of Freshmen. *Mon., Wed., Fri., at 10.20; Tu., Th., Sat., at 10.20; Mon., Wed., Fri., at 11.20.*

102, 103 (2) *Rhetoric and Composition*. Professors BENEDICT, POTTER, and HASTINGS, Messrs. MASON, LOUD, and EMSLEY

Three hours. Second and third terms. Required of Sophomores. *Mon., Wed., Fri., at 10.20; Tu., Th., Sat., at 10.20; Mon., Wed., Fri., at 11.20.*

† Credit for 1 or 2; or 101, 102 (1); or 102, 103 (2) is a prerequisite for admission to all other courses in the department except 104 (48).

Candidates for the degree of Bachelor of Science who wish to take an approved substitute for English in the Sophomore year must take English 103 (2) in the Freshman year in place of English 104 (48). See page 53.

Courses 1-16 may not be counted in fulfilment of the requirement of a year in English Literature.

† On leave of absence during the academic year, 1918-19.

104 (48). *English Literature from the Beginning to 1700*. Professors BRONSON and CROSBY

Three hours. Third term. Required of Freshmen. *Mon., Wed., Fri., at 10.20; Tu., Th., Sat., at 10.20; Mon., Wed., Fri., at 11.20.*

110, 111, 112 (3, 4). *English Composition, Second Course*. Professors BENEDICT and HASTINGS

Three hours. Through the year. Elective for Sophomores and Juniors. *Tu., Th., Sat., at 11.20.*

116, 117 (10). *Debate*. Professor HUNTINGTON, with the coöperation of the Professors of Economics, Social and Political Science, History, and Public Speaking

Three hours. Second and third terms. Elective for a limited number of Juniors and Seniors who have credit for 7. With the consent of the instructor the course may be repeated. *Tu., Th., 2 to 4.*

119, 120, 121 (11, 12). *Public Speaking*. Professor CROSBY

Three hours. Through the year. Elective for Sophomores and Juniors. Students may enter at the beginning of the second term. *Mon., Wed., Fri., at 11.20.*

125, 126, 127 (15, 16). *Old English*. Professor POTTER

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 9.20.*

134, 135 (25, 26). *Shakspeare*

Careful study of a few plays. Professor HASTINGS.

Three hours. Second and third terms. Elective for students who passed in 1 last year. *Mon., 2 to 4; Fri. at 2.*

137, 138 (27, 28). *Shakspeare*

Reading of all the plays. Professor POTTER.

Three hours. Second and third terms. Elective for students who passed in 1 and 48 last year. *Mon., Wed., Fri., at 10.20.*

140, 141, 142 (35, 36). *English Literature from 1798 to 1832*. Professor HUNTINGTON

Three hours. Two or three hours of attendance. Through the year. Elective at the beginning of the second term for students who passed in 1 and 48 last year. *Tu., Th., Sat., at 8.*

146, 147, 148 (39, 40). *American Literature*. Professor BRONSON
Three hours. Two or three hours of attendance. Through the year. Elective for
students who have credit for a year's work in English Literature. *Tu., 3 to 5;*
Th. at 3.

149, 150 (37, 38). *English Literature from 1832 to 1892*. Professor
BENEDICT

Three hours. Two or three hours of attendance. Second and third terms. Elec-
tive for students who passed in 1 and 48 last year. *Tu., Th., Sat., at 10.20.*

XI. GEOLOGY ‡

CHARLES WILSON BROWN, A.M., *Associate Professor of Geology*

ARTHUR FRANCIS BUDDINGTON, PH.D., *Instructor in Geology*

RICHARD MONTGOMERY FIELD, Sc.B., A.M., *Instructor in Geology*

A. *Military Geology and Geography*. Professor BROWN and Mr.
FIELD

Three hours. First term.

15. *Military Topography and Topographic Geology*. Professor
BROWN and Mr. FIELD

Three hours. Six hours of attendance. First term. Elective for Undergraduates.
Laboratory fee, \$1.50.

104 (1). *Materials of the Earth and its Structure*. Professor BROWN
Three hours. Second term. Elective for Undergraduates. *1st division, Mon.,*
Wed., Fri., at 10.20; 2d division, Tu., Th., Sat., at 9.20.

105 (6). *Economic Geography of North America and Europe*. Pro-
fessor BROWN

Three hours. Third term. Elective for Undergraduates. *1st division, Mon., Wed.,*
Fri., at 10.20; 2d division, Tu., Th., Sat., at 9.20.

113 (2). *Historical Geology*. Mr. FIELD

Three hours. Third term. Elective for Undergraduates who have credit for one
term of Geology. Two lecture hours and two conference or laboratory hours.

‡ Students who took Military Geology A or Geology 15 in the first term may continue
in 104 (1), 105 (6); or 117 (13), 113 (2); or 119 (9), 120 (10). Course 104 (1) will not duplicate
Course 1 given in previous years.

116, 117 (13). *Stratigraphy and Paleontology*. Professor BROWN and Mr. FIELD

Three hours. First and second terms. Either term may be elected independently. Elective for Undergraduates. Two lecture hours and two conference or laboratory hours.

119, 120 (9, 10). *Mineralogy and Petrography*. Dr. BUDDINGTON
Three hours. Six hours of attendance. Second and third terms. Elective for Undergraduates.

121, 122, 123 (11, 12). *Research in Geology and Geography*. Professor BROWN, Messrs. BUDDINGTON and FIELD

One to six hours. Through the year. Elective for Graduates and approved Undergraduates. Either term may be elected independently.

XII. GERMANIC LANGUAGES AND LITERATURES†

ASA CLINTON CROWELL, PH.D., *Associate Professor of the Germanic Languages and Literatures*

ROBERT MCBURNEY MITCHELL, PH.D., *Assistant Professor of the Germanic Languages and Literatures*

A. *Military German*. Professors CROWELL and MITCHELL

Three hours. First term. Elective for students who have credit for 3, 4, or who presented elementary German (2 years) for admission. *First and second sections, Mon., Wed., Fri., at 5.*

101, 102, 103 (1, 2). *Elementary Course, First Year*. Professor CROWELL

Three hours. Through the year. Elective for students who did not present German for admission. *Mon., Wed., Fri., at 8.*

122, 123. *Elementary German. Special Course*. Professor CROWELL

Three hours. Second and third terms. Elective for students who have not taken any German but who wish to take German 3, 4 next year, and for others who desire a review of the fundamentals of the language. *Mon., Th., Fri., at 3.*

† Students who have credit for Military German may elect the second and third terms of 104, 105, 106 or a more advanced course according to their preparation and standing. By special permission students may be admitted to the second term of continuous courses.

104, 105, 106 (3, 4). *Elementary Course, Second Year.* Professor MITCHELL

Three hours. Through the year. Elective for students who have credit for 1, 2, or who presented elementary German (1 year) for admission. *Tu., Th., Sat., at 9.20.*

107, 108 (5, 6). *Intermediate Course.* Professor MITCHELL

Three hours. Second and third terms. Elective for students who have credit for 3, 4, or who presented elementary German (2 years) for admission. *Mon., Wed., Fri., at 9.20.*

110, 111, 112 (7, 8). *Advanced Course in Classical and Modern Authors.* Professor CROWELL

Three hours. Through the year. Elective for students who have credit for 5, 6; or who have passed 3, 4 with grade *B*; or who presented intermediate German for admission. *Tu., Th., Sat., at 10.20.*

113, 114, 115 (9, 10). *Modern Germany.* Professor MITCHELL

Three hours. Through the year. Elective for students who have credit for 7, 8; or who have passed 5, 6 with grade *B*, or 3, 4 with grade *A*; or who presented intermediate German for admission. *Tu., Th., Sat., at 11.20.*

116, 117, 118 (19, 20). *Introduction to Scientific Prose.* Professor CROWELL

Three hours. Through the year. Elective for students who have credit for 5, 6 or its equivalent. *Mon., Wed., Fri., at 10.20.*

119, 120 (27, 28). *German Literature in the Nineteenth Century.* Professor MITCHELL

Three hours. Second and third terms. Elective for students who have credit for 7, 8, or 9, 10. *Mon., Wed., Fri., at 11.20.*

17, 18) German Literature
3 hours - through year
Elective for students
having credit for (5, 6)

XIII. GREEK LITERATURE AND HISTORY

FRANCIS GREENLEAF ALLINSON, PH.D., *David Benedict Professor of Greek Literature and History, Director of the Museum of Fine Arts*

KENDALL KERFOOT SMITH, PH.D., † *Assistant Professor of Greek Literature and History*

101, 102, 103 (A, B). *Beginner's Course: Greek Grammar, Xenophon, and Homer.* PROFESSOR ALLINSON

Three hours. Through the year. Elective for students who have not presented elementary and advanced Greek for admission. *Mon., Wed., Fri., at 12.20.*

104 (1). *Homer and other Greek Poetry exclusive of the Drama.* PROFESSOR ALLINSON

Three hours. Second term. Elective for students who have presented elementary and advanced Greek for admission, or who have credit for A, B and have done the additional work indicated above.

105, 106 (2). *Plato, Aristophanes, and Lysias.* PROFESSOR ALLINSON

Three hours. Second and third terms. Elective for students who have credit for 1, or 104 (1). *Tu., Th., Sat., at 10.20.*

107, 108 (3). *Plato and the Drama.* PROFESSOR ALLINSON

Three hours. First and second terms. Elective for Sophomores. *Mon., Wed., Fri., at 10.20.*

109 (4). *Thucydides and Herodotus.* PROFESSOR ALLINSON

Three hours. Third term. Elective for Sophomores. *Mon., Wed., Fri., at 8.*

110, 111 (7). *Plato: Republic, etc.* PROFESSOR ALLINSON

Three hours. First and second terms. Elective for Juniors and Seniors. *Mon., Wed., Fri., at 8.*

112 (8). *Aristotle: Politics.* PROFESSOR ALLINSON

Three hours. Third term. Elective for Juniors and Seniors. *Mon., Wed., Fri., at 8.*

118 (12). *Greek Composition.* PROFESSOR ALLINSON

One hour. Third term. Elective for Undergraduates.

† On leave of absence during the academic year 1918-19.

119, 119A (15). *Greek Civilization*

Must be followed in the last half of the second term and in the third term by Latin 119, 119A (16), Roman Civilization. The three terms constitute the course in Classical Civilization. *Professor ALLINSON.*

Three hours. First term and first half of second term. *Tu., Th., Sat., at 8.*

120 (17). *Greek Seminary*

Selections from the *Greek Anthology*. *Professor ALLINSON.*

Three hours. Two hours of attendance. Third term. Elective for Graduates and approved Seniors.

XIV. HISTORY†

THEODORE FRELINGHUYSEN COLLIER, PH.D., † *Professor of European History*

ST. GEORGE LEAKIN SIOUSSAT, PH.D., *George L. Littlefield Professor of American History*

ELMER CUMMINGS GRIFFITH, PH.D., *Acting Professor of History*

DONALD LE CRONE McMURRAY, M.A., *Instructor in History*

War Issues

Required for the Students' Army Training Corps and recommended for the Naval Unit. *Professor SIOUSSAT*, with the assistance of *Professors HARKNESS, GARDNER, FOWLER, BENEDICT, GRIFFITH, Dr. HANSEN, and Dr. BRATCHER.*

Three hours. First term.

A. *Europe since 1870.* *Professor GRIFFITH*

Three hours. First term.

D. *The United States since 1860.* *Professor SIOUSSAT*

Three hours. First term.

101, 102, 103 (1, 2). *Medieval and Modern History of Europe.*

Professor GRIFFITH and Mr. McMURRAY

Three hours. Through the year. May be begun in second term. Students who have passed War Issues should take 102, 103 to complete the required year's work in History. Required of candidates for the degree of Bachelor of Arts and

† The elective courses in History are regularly open only to students who have credit for 1, 2, but by special permission of the instructor certain elective courses may be taken by students who are at the same time taking 101, 102, 103 (1, 2).

† On leave of absence during the academic year 1918-19.

of Bachelor of Philosophy in the Freshman, Sophomore, or Junior year. *Mon., Th., Fri., at 2.*

105, 106 (5, 6). *The French Revolution, the Napolconic Era, and Europe from 1815 to 1870.* Professor GRIFFITH

Three hours. Second and third terms. Follows History A, which is not a prerequisite. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 10.20.*

108, 109. *The History of the United States in its Contact with Foreign Nations.* Professor SIOUSSAT

Three hours. Second and third terms. Follows History D, which is not a prerequisite. *Mon., Wed., Fri., at 9.20.*

113, 114 (19, 20). *American History to 1787.* Professor SIOUSSAT

Three hours. Second and third terms. Elective for Sophomores, Juniors, and Seniors. *Tu., Th., Sat., at 11.20.*

119, 120, 121 (25, 26). *Seminary in American History.* Professor SIOUSSAT

Topics for research to be arranged with the instructor.

Three hours. One to two hours of attendance. Through the year. Elective for Graduates and approved Seniors. Should be preceded by 17, 18, or 19, 20, or 21, 22, but in exceptional cases may be taken by other approved students.

XV. MATHEMATICS†

ROLAND GEORGE DWIGHT RICHARDSON, PH.D., *Professor of Pure Mathematics*

OTIS EVERETT RANDALL, PH.D., *Professor of Applied Mathematics*

HENRY PARKER MANNING, PH.D., *Associate Professor of Pure Mathematics*

RAYMOND CLARE ARCHIBALD, PH.D., *Associate Professor of Pure Mathematics*

CLINTON HARVEY CURRIER, A.M., *Assistant Professor of Mathematics*

ARTHUR BOWES FRIZELL, PH.D., *Lecturer in Mathematics*

WILLIAM RUSSELL BURWELL, A.M., *Instructor in Mathematics*

THEODORE ARTHUR CORNELL, A.M., *Instructor in Mathematics*

CLARENCE RAYMOND ADAMS, A.B., *Instructor in Mathematics*

101, 102, 103 (61, 62). *Elementary Analysis*

This course is designed to give a brief introduction to some of the fundamental concepts and methods of mathematics. Selected topics from Graphical Representation, Trigonometry, Analytic Geometry, and Calculus will be presented. Professors RICHARDSON, MANNING, ARCHIBALD, and CURRIER, Dr. FRIZELL, Messrs. BURWELL, CORNELL, and ADAMS, assisted by Professor BROWN and Dr. SHAPLEY.

Three hours. Through the year. Elective for students who have not taken any mathematics in college and who have not presented Plane Trigonometry for admission. The second term may be taken by students who passed the first term five-hour course in Navigation and Plane Trigonometry. *Three divisions, Mon., Wed., Fri., at 10.20; two divisions, Tu., Th., Sat., at 10.20; one division, Tu., Th., Sat., at 11.20.*

† Students presenting the usual units for admission will naturally take 61, 62; those presenting Trigonometry, 63, 64, and those presenting Trigonometry and Advanced Algebra, 5, 6. Those who wish to specialize in mathematics should consult some member of the department before registering, and should, if possible, take two courses in the first year. For the second and following years 5, 6, 7, 8, 9 is the regular sequence and in addition the student should take 1, 3 (if he has not already credit for them), and as many of the courses 11, 12, 21-44, 55, 56 as is possible.

It is recommended that students who contemplate teaching in the secondary schools elect courses through 8 and 41-44.

Courses 17 A-20 A, 50 A, are primarily for candidates for the degree of Bachelor of Science, but may be elected by others who wish to advance more rapidly with their mathematical preparation.

Courses 21-40 are designed primarily for Graduates. Two or three of these courses are offered each year according to the needs of the students. For those who have taken all of them, other courses can usually be arranged.

Unless elected by five students, courses 21-40 may not be given.

101 is repeated in the second term. *Two divisions, Tu., Th., Sat., at 11.20.*

102 is repeated in the third term. *Tu., Th., Sat., at 11.20.*

104, 105, 106 (63, 64). *Elementary Analysis*

This course is similar to 101, 102, 103 (61, 62), except that Algebra will be substituted for Trigonometry. *Professor RICHARDSON and Dr.*

FRIZELL.

Three hours. Through the year. Elective for students who have credit for Plane Trigonometry. *Mon., Wed., Fri., at 10.20.*

108 (1). *Solid Geometry.* *Professor MANNING*

Three hours. Second term. Elective for Sophomores, Juniors, and Seniors, and for Freshmen who have not presented Solid Geometry for admission and who wish to take an additional course. Required of candidates for the degree of Bachelor of Science who have not presented it for admission. *Tu., Th., Sat., at 11.20.*

109 (3). *Algebra*

Permutations and Combinations, Probability, Complex Numbers, Theory of Equations, etc. Fundamental for students who wish to specialize in mathematics. Recommended as an elective for students who wish later to take work in Statistics.

Three hours. Third term. *Tu., Th., Sat., at 11.20.*

110, 111, 112 (5, 6). *Analytic Geometry and Differential and Integral Calculus.* *Professor MANNING*

Three hours. Through the year. Elective for students who have credit for Freshman mathematics. *Mon., Wed., Fri., at 9.20.*

7, 8. *Analytic Geometry and Differential and Integral Calculus.* *† Professor MANNING*

Three hours. Through the year. Elective for students who have credit for 6. *Tu., Th., Sat., at 12.20.*

113. *Spherical Trigonometry.* *Mr. BURWELL*

One hour. Second term. Elective for students who have credit for Plane Trigonometry. Should be taken by students who plan to elect Navigation. *Mon. at 11.20.*

† During the second and third terms of 1918-19 this course is merged with 123-124.

119, 120, 121 (17 A, 18 A). *Plane Trigonometry, Analytic Geometry, and Calculus*. Professors MANNING, ARCHIBALD, and CURRIER, Dr. FRIZELL, Messrs. BURWELL and CORNELL

Four hours. Through the year. Required of candidates for the degree of Bachelor of Science. *Five divisions, Mon., Tu., Th., Fri., at 12.20.*

A six hour course for the second and third terms is also given to cover the work of the year.

122, 123, 124 (19 A, 20 A). *Analytic Geometry and Calculus*. Professors RICHARDSON and CURRIER

Three hours. Through the year. Required of candidates for the degree of Bachelor of Science. *Two divisions, Tu., Th., Sat., at 8.*

A six hour course is given during the second term to cover the work of the first and second terms.

125, 126, 127 (25, 26). *Advanced Algebra*. Professor MANNING

Three hours. Through the year. Elective for students who have credit for 3, 41, 42, and for others by permission. *Tu., Th., Sat., at 9.20.*

128, 129, 130 (29, 30). *Introduction to Advanced Analysis*. Professor RICHARDSON

Three hours. Through the year. Elective for students who have credit for Calculus, and for 41, 42. *Tu., Th., Sat., at 11.20.*

131 (31, 32). *Applications of Calculus to Geometry*

Introductory course in the Differential Geometry of plane and space curves. Professor ARCHIBALD.

Three hours (two hours of attendance). Second and third terms. Elective for students who have credit for 8 or 20. *Wed., Fri., at 11.20.*

134, 135 (50 A). *Descriptive Geometry*. Professor RANDALL

Three hours. Second and third terms. Required in the Freshman year of candidates for the degree of Bachelor of Science (new course) who have credit for Engineering 104 (3). Elective without Engineering 104 (3) for approved students.

137 A, B, C, D. *Navigation*

Dead reckoning, spherical trigonometry, practice with the sextant, determination of latitude and longitude by observation on celestial bodies, Sumner line, St. Hilaire method for position. All topics were taken by advanced divisions, a part only were taken by other divi-

sions. *Professors* RICHARDSON, ARCHIBALD, CURRIER, *Dr.* FRIZELL, *Messrs.* CORNELL and ADAMS, assisted by *Professor* JONES.

First term. Required of all members of the Naval Unit. (A) Plane Trigonometry, two hours; Navigation, three hours. *Five divisions.* (B) Analytic Geometry, two hours; Navigation, three hours. *One division.* (C) Navigation, three hours. *One division.* (D) Navigation, five hours. *Two divisions.* For a continuation of these courses in the second and third terms, see Nautical Science, page 106.

138. *Artillery Firing Data*

Map reading, the trajectory in vacuo, elementary field artillery gunnery, including use of formulas and tables, firing data, elementary probabilities as applied to the adjustment of fire, corrections for atmospheric conditions. Based on *Notes on Training Field Artillery Detachments*, by Danford and Moretti. *Professor* CURRIER.

Three hours. First term. Elective for students who have credit for Plane Trigonometry. *One division, Tu., Th., Sat., at 10.20; one division, Mon., Wed. Fri., at 9.25.*

139. *Mathematical Theory of Statistics*

Use of statistical methods, statistical averages, measurement of variability, dispersion and skewness, measurement of relationship, the correlation coefficient, the frequency curve, use of tabular and graphic methods, index numbers. *Professor* CURRIER.

Three hours. Third term. Elective for Juniors, Seniors, and Graduates who have credit for one year of college mathematics. Hours to be arranged.

XVI. MUSIC

EDWIN ERNEST WILDE, *Lecturer in Music*

101, 102, 103 (1, 2). *The Appreciation of Music.* *Mr.* WILDE

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. *Mon., Wed., Fri., at 10.20.*

104, 105, 106 (3, 4). *Symphony and Opera*

Three hours. Through the year. *Mon., Wed., Fri., at 12.20.*

XVII. NAUTICAL SCIENCE

FREDERICK SLOCUM, PH.D., *Professor of Nautical Science*

THEODORE HENRY BROWN, PH.D., *Assistant Professor of Nautical Science*

NAVAL SCIENCE

A. *Naval Science*. Professors SLOCUM and BROWN

Three hours. First term. Required for men in the line department of the Naval Unit who are not enrolled in the Naval Reserve. *1st division, Tu., Th., Sat., at 8.15 a.m.; 2d and 5th divisions, Mon., Wed., Fri., at 8.15 a.m.; 3d division, Tu., Th., Sat., at 7.15 a.m.; 4th division, Mon., Wed., Fri., at 7.15 a.m.*

B, C. *Naval Science*

The hull, fittings, and rig of various types of ships. Ground tackle, steering gear and steering, boats and boat equipment, handling and manœuvring, stranding, rescue work, winds and weather, tides and currents. *Professors SLOCUM and BROWN.*

Three hours. Second and third terms. Elective for students who have credit for Naval Science A. *1st division, Tu., Th., Sat., at 8; 2d division, Mon., Wed., Fri., at 12.20.*

D. *Naval Science*

A course similar to Naval Science A. Required of men enrolled in the Naval Reserve. *Professor SLOCUM.*

Three hours. First term. *Tu., Th., Sat., at 7.15 a.m.*

NAVIGATION

D, E. *Navigation*

Compass, chart, piloting, dead reckoning, nautical astronomy, time, the sextant, determination of latitude and longitude of a ship by sextant observations of sun, moon, planets, and stars; line of position, Rules of the Road. *Professor SLOCUM.*

Three hours. Second and third terms. Elective for students who have credit for Plane Trigonometry. *Mon., Wed., Fri., at 9.20.*

B, C. *Navigation*

Practical chart work. Determination of latitude and longitude by sun, moon, planets, and stars. Line of position by methods of Sumner, St. Hilaire, and Aquino. Great circle sailing. Theory and practice of compass adjustment. Complete "day's work." *Professors SLOCUM and BROWN.*

Three hours. Second and third terms. Elective for students who have credit for Navigation A. *1st division, Mon., Wed., Fri., at 8; 2d division, Tu., Th., Sat., at 12.20.*

XVIII. PHILOSOPHY†

EDMUND BURKE DELABARRE, PH.D., *Professor of Psychology*

WALTER GOODNOW EVERETT, PH.D., *Professor of Philosophy and Natural Theology*

ALFRED HARRISON JONES, PH.D., *Assistant Professor of Logic*

101, 102, 103 (1, 2). *Introduction to Philosophy*. Professor JONES
Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors.
Mon., Wed., Fri., at 9.20.

104, 105, 106 (3, 10). *Psychology and its Applications*. Professor DELABARRE
Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors.
Tu., Th., Sat., at 8.

107, 108 (4). *Ethics*. Professor EVERETT
Three hours. Second and third terms. Elective for Sophomores, Juniors, and Seniors.

110, 111, 112 (5, 6). *Psychological Seminary*. Professor DELABARRE
Three hours. Through the year. Elective for students who have credit for a course in Psychology.

113, 114, 115 (7, 8). *History of Philosophy*. Professor EVERETT
Three hours. Second and third terms. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 9.20.*

119, 120 (30). *History of Religion*. Professors FOWLER and JONES
Three hours. Second and third terms. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 10.20.*

125, 126, 127 (11, 12). *Experimental Psychology, Introductory Laboratory Course*. Professor DELABARRE
Three hours. Six hours of attendance. Through the year. Elective for students who have credit for 3 or 104 (3) or are taking 104 (3).

† The required work in Philosophy must be completed not later than the end of the Junior year. For 1918-19 any combination of courses constituting a year's work will be accepted as satisfying the requirement, and any courses will be open at the beginning of the second and third terms to students who have not been taking first or second term courses.

128, 129 (13). *Logic*. Professor JONES

Three hours. First and second terms. Elective for Sophomores, Juniors, and Seniors. *Tu., Th., Sat., at 12.20.*

131, 132, 133 (14, 16). *Contemporary Philosophy*. Professor JONES

Three hours. Through the year. Elective for Seniors and Graduates.

137, 138, 139 (19, 20). *Experimental Psychology, Advanced Laboratory Course*. Professor DELABARRE

One to six hours. Two to twelve hours of attendance. Through the year. Elective for students who have credit for 11, 12. May be taken for more than six hours by Graduates.

140, 141, 142 (23, 24). *Studies in the Philosophy of Religion*. Professor EVERETT

Three hours. Through the year. Elective for Seniors and Graduates.

XIX. PHYSICS

CARL BARUS, PH.D., LL.D., *Hazard Professor of Physics*

ALBERT DE FOREST PALMER, PH.D., *Associate Professor of Physics*

101, 102, 103 (1, 2). *Elementary Physics*. Professor BARUS

Three hours. Through the year. Elective for Undergraduates who have credit for Entrance Algebra and Plane Geometry. *Mon., Wed., Fri., at 10.20.*

104, 105, 106 (27, 28). *Elementary Physics*. Professor BARUS

Three hours. Through the year. Four hours of attendance. Required of all candidates for the degree of Bachelor of Science. *Mon., Wed., Fri., at 10.20; Th. at 11.20.*

107, 108, 109 (29, 30). *Elementary Physics*. Professor PALMER

One hour. Three hours of attendance. Through the year. May be begun in the second term. Elective for Undergraduates who have credit for Entrance Algebra and Plane Geometry.

110, 111, 112 (3, 4). *Elementary Physics, continued*. Professor BARUS

Three hours. Through the year. Elective for students who have credit for 1, 2 and Mathematics 1, 2. *Tu., Th., Sat., at 9.20.*

113, 114, 115 (5, 6). *Experimental Physics*. Professor PALMER

Three hours. Six hours of attendance. Through the year. Elective for students who have credit for 1, 2, or 27, 28. Laboratory fee, \$6 a semester.

116, 117, 118 (11, 12). *Advanced Laboratory Course*. Professors BARUS and PALMER

Three or six hours. Six or twelve hours of attendance. Through the year. Elective for students who have credit for 5, 6. Laboratory fee, \$6 a semester.

119, 120, 121 (13, 14). *Applied Harmonic Analysis and Applied Vector Analysis*.[‡] Professor BARUS

Three hours. Through the year. Elective for Seniors and Graduates who have credit for 1, 2 and Mathematics 7, 8. A part of this course, counting for one hour, is required in the second semester of the Senior year of candidates for the degree of Bachelor of Science in Electrical Engineering.

122, 123, 124 (15, 16). *Physics, Advanced Course*.[‡] Professor BARUS

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates who have credit for Mathematics 7, 8.

125, 126, 127 (21, 22). *Theory of Measurements*. Professor PALMER

Three hours. Five hours of attendance. Through the year. Required of candidates for the degree of Bachelor of Science. Elective for students who have credit for 1, 2, or 27, 28, and Mathematics 7, 8, or 19, 20. Tu., Th., at 12.20. Laboratory fee, \$4 a semester.

128, 129, 130 (23, 24). *Precision Measurements in Photometry, Electricity, and Magnetism*. Professor PALMER

Four hours. Eight hours of attendance. Through the year. Elective for students who have credit for 5, 6, or 21, 22, and Mathematics 7, 8, or 19, 20. Laboratory fee, \$8 a semester.

131, 132, 133 (25, 26). *Radiation, Optics, and Heat*. Professor PALMER

Three or six hours. Six or twelve hours of attendance. Through the year. Elective for students who have credit for 5, 6, or 21, 22. Laboratory fee, \$6 a semester.

[‡] In determining the content of 119, 120, 121 (13, 14), and 122, 123, 124 (15, 16), the preference of students will be considered.

XX. ROMAN LITERATURE AND HISTORY

ALBERT GRANGER HARKNESS, A.M., LITT.D., *Professor of Roman Literature and History*

JOHN FRANCIS GREENE, A.M., *Associate Professor of Roman Literature and History*

101 (1). *Cicero's De Senectute, De Amicitia; Terence's Phormio.*

Professors HARKNESS and GREENE

Three hours. First term. Elective for students who have presented elementary and advanced Latin for admission. *Mon., Wed., Fri., at 8.*

102, 103 (2). *Selections from Horace.* Professors HARKNESS and GREENE

Three hours. Second and third terms. Elective for students who have presented elementary and advanced Latin for admission. *Mon., Wed., Fri., at 8.*

104 (3). *Selections from Tacitus, Pliny the Younger, Martial.* Professor GREENE

Three hours. First term. Elective for Sophomores.

105, 106 (4). *Plautus' Captivi, Trinummus, Rudens.* Professor HARKNESS

Three hours. Second and third terms. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

110, 111 (7, 8). *Latin Prose.* Professors HARKNESS and GREENE

Three hours. Second and third terms. Elective for Juniors and Seniors.

116, 117 (13, 14). *History of the Roman Empire.* Professor GREENE

Three hours. Second and third terms. Elective for Sophomores, Juniors, and Seniors. Either term may be elected independently. *Tu., Th., Sat., at 9.20.*

119, 119 A (16). *Roman Civilization.* Professors HARKNESS and GREENE

Three hours. Second half of second term, and third term. Follows Greek 15. Not elective for candidates for the degree of Bachelor of Arts. *Tu., Th., Sat., at 8.*

XXI. ROMANCE LANGUAGES AND LITERATURES

FRENCH, ITALIAN, SPANISH

COURTNEY LANGDON, A.B., *Professor of the Romance Languages and Literatures*

ALBERT BUSHNELL JOHNSON, A.M., *Associate Professor of the Romance Languages and Literatures*

CHARLES HERMAN HUNKINS, DR. UNIV. PARIS, *Assistant Professor of the Romance Languages and Literatures*

EDOUARD R. MASSEY, B. ÈS LETTRES, *Instructor in French*

A. *Military French*. PROFESSORS LANGDON, JOHNSON, HUNKINS, and Mr. MASSEY, assisted by Professor GREENE

Three hours. First term. Elective for students who have credit for 1, 2 or its equivalent.

101, 102, 103 (1, 2). *Elementary French, First Year*. Professor JOHNSON and Mr. MASSEY, assisted by Professor CROWELL

Three hours. Through the year. Elective for students who have not presented French for admission. *Mon., Wed., Fri., at 8.*

104, 105, 106 (3, 4). *Elementary French, Second Year*. Professor HUNKINS

Three hours. Through the year. Elective for students who have credit for 1, 2, or who have presented elementary French (1 year) for admission. *Mon., Wed., Fri., at 8.*

107, 108, 109 (5, 6). *Intermediate French*. Professor HUNKINS, assisted by Professor GREENE

Three hours. Through the year. Elective for students who have credit for 3, 4, or who presented elementary French (2 years) for admission. *1st division, Mon., Wed., Fri., at 9.20; 2d division, Mon., Th., Fri., at 3.*

110, 111, 112 (7, 8). *Advanced French*. Professor HUNKINS and Mr. MASSEY

Three hours. Through the year. Elective for students who have credit for 5, 6, or who have presented intermediate French for admission. *1st division, Mon., Wed., Fri., at 9.20; 2d division, Tu., Th., Sat., at 11.20; 3d division, Mon., Wed., Fri., at 9.20; 4th division, Tu., Th., Sat., at 8.*

113, 114, 115. *The Realistic School*. Professor LANGDON

Three hours. Through the year. Elective for students who have credit for 7, 8. A combination of 7, 8, and 9, 10, for 1918-19 only.

119, 120, 121 (19, 20). *Dante in English*. Professor LANGDON

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Students are advised to elect this course in their Senior year. *Mon., Wed., Fri., at 11.20.*

122, 123, 124 (15, 16). *Elementary Spanish, First Year*. Professor JOHNSON

Three hours. Through the year. Elective for Juniors and Seniors, and for Sophomores not electing more than one other modern language. *1st division, Tu., Th., Sat., at 9.20; 2d division, Tu., Th., Sat., at 11.20.* 122, 123 are also given in second and third terms. *Mon., Wed., Fri., at 11.20.*

125, 126, 127 (21, 22). *Elementary Spanish, Second Year*. Professor JOHNSON

Three hours. Through the year. Elective for students who have credit for 15, 16. *Mon., Wed., Fri., at 11.20.*

XXII. SOCIAL AND POLITICAL SCIENCE†

JAMES QUAYLE DEALEY, PH.D., *Professor of Social and Political Science*

JOHN CORLISS DUNNING, LL.B., PH.D., *Assistant Professor of Political Science*

HAROLD STEPHEN BUCKLIN, PH.D., *Assistant Professor of Social Science*

CLARENCE RICHARD JOHNSON, A.B., *Instructor in Social Science*

SOCIAL SCIENCE

101 (1). *Elementary Social Science*. Professor DEALEY

Three hours. Second term. *Tu., Th., Sat., at 9.20.* Will be repeated in the third term. *Mon., Wed., Fri., at 11.20.*

104, 105 (3, 4). *Modern Social Problems*. Professor BUCKLIN

Three hours. Second and third terms. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 10.20.*

† Any combination of three terms' work in Economics 101 (1), Political Science 101 (1), Social Science 101 (1) will be accepted as completing the required year course. The advanced courses are open only to students who have completed the required year course.

107, 108 (7). *Sociology as a Science*. Professor DEALEY

Three hours. First and second terms. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 9.20.*

110 (8). *Sociology in its Applications*. Professor DEALEY

Three hours. Third term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 9.20.*

122, 123, 124 (13, 14). *Social Investigation and Training*. Professor BUCKLIN

Three hours. Five to eight hours of field work and one hour of class-room discussion. Through the year. Must be preceded or accompanied by Social Science 3, 4. Elective for Graduates, and for a limited number of approved Juniors and Seniors.

POLITICAL SCIENCE

101 (1). *Elementary Political Science*. Professor DEALEY

Three hours. Third term. *Tu., Th., Sat., at 9.20.*

104, 105, 106 (3, 4). *Government and Politics of the United States*.

Professor DUNNING

Three hours. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 8.*

109 (5). *Governments and Politics of Foreign States*. Professor DUNNING

Three hours. Second term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 9.20.*

110 (2). *Governments and Politics of Latin-American States*. Professor DUNNING

Three hours. Third term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 9.20.*

113 (7). *Jurisprudence*. Professor DUNNING

Three hours. Second term. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 8.*

116 (8). *Constitutional Law*. Professor DUNNING

Three hours. Third term. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 8.*

XXIII. PHYSICAL TRAINING†

FREDERICK WILLIAM MARVEL, PH.B., *Professor of Physical Training*

MYRON WHITMARSH FINCH, SC.B., *Instructor in Physical Training*

ARCHIE HAHN, LL.B., *Instructor in Physical Training*

GEORGE FRANKLIN HERRICK, *Assistant in Physical Training*

ROSS ELMER BROWNING, *Assistant in Physical Training*

From Thanksgiving to the Spring Recess, all first and second year men are required to attend gymnasium exercises three times a week. The particular course will be assigned by the department.

Military Setting-up Exercises

For discipline, posture, coördination, and alertness. Games. *Professor MARVEL.*

Setting-up Exercises and Gymnastic Dancing

The work also includes the use of wooden and iron dumb-bells, indian clubs, bar bells, wands, and floor exercises. *Mr. BROWNING.*

Two divisions.

Swimming

Elementary, advanced, and competitive. Life saving, resuscitation, and games. *Mr. FINCH.*

Required, during the fall and spring, of all first year men who are unable to pass the test and of all other men who have not previously passed the test. Eight divisions.

Boxing

Mass and Showdon Boxing similar to that taught in the Army and Navy. After the students become familiar with the blows, blocks, parries, and foot work they are paired off against each other. Accuracy and correct form are insisted upon. Boxing for points rather than hard blows is the aim. *Mr. HAHN.*

Three divisions.

Wrestling

Elementary, advanced, and competitive. *Mr. HERRICK.*

Three divisions.

† See also page 123.

Track Athletics

Elementary, advanced, and competitive. *Mr. HAHN.*

Three divisions.

Heavy Gymnastics

Elementary and advanced. *Mr. BROWNING.*

Handball. *Mr. BROWNING*

No charge is made for instruction in any branch of gymnastics or athletics.

ORIENTATION LECTURES

Lectures upon the scope and aims of college education by administrative officers and members of the Faculty.

The object of the course is to explain to the new students the organization and administrative system of the University; to instruct them concerning the general content of the academic curriculum; to describe the libraries, laboratories, and other facilities for study; to offer general advice regarding methods of study and the preservation of health; and to discuss the relation of the social organizations to the University and the students. The lectures will define and describe the general subjects of the curriculum, such as literature and language, art, philosophy, and the various sciences; discuss their relations to one another; and attempt to determine their intellectual, moral, esthetic, and vocational values.

RELIGIOUS EDUCATION

C*COURSES arranged for the training of directors of Religious Education in churches and allied organizations, lay assistants of pastors, teachers of the Bible, and other leaders in religious work.*

The growing demand for trained leaders in the work of religious education has led Brown University to arrange a special two-year course of study designed to meet the needs of mature men and women who may not be able to undertake a full degree course. Such persons will be received as special students in the University, provided their previous training has fitted them to pursue the various courses outlined below. On the successful completion of the two-year course a certificate will be awarded by the University. Those who are engaged in other occupations for a portion of their time may take a part of the work each year, completing the entire course in a longer period than two years. Regular undergraduate and graduate students may elect these courses.

FIRST YEAR

Old Testament Literature and History. *Biblical Literature and History 15, 16.*†

Biblical Seminary (*subject for 1918-19 : The Old Testament Wisdom Literature and the Stoic Philosophy*) *Biblical Literature and History 21, 22.*

Outlines of Economics. *Economics 1.*

History or Principles of Education. *Education 1 or 2.*

History of Christianity. *History 3, 4.*

Outlines of Social and Political Science. *Social Science 1, Political Science 1.*

Training Course for Religious Service. Special course, not counted toward a degree.

SECOND YEAR

New Testament Literature and History. *Biblical Literature and History 17, 18.*

Psychology of Education. *Education 3.*

† Old course numbers are, for convenience, retained.

Ethics. *Philosophy 4.*

Philosophy of Religion. *Philosophy 9.*

History of Religion. *Biblical Literature 30, Philosophy 30.*

Social Problems, Movements, and Agencies. *Social Science 3, 4.*

Social Investigation and Training. *Social Science 13, 14.*

The above course is not intended to be absolutely fixed ; substitutions may be made to meet individual needs and, in some cases, the courses prescribed will be interchanged between the two years.

The University makes arrangements with leading churches, and with the Providence Christian Associations, the Rhode Island Sunday School Association, and the Society for Organizing Charity, for coöperation in the practical training of students in religious and social service as the needs of individual students dictate.

LIBRARIES, LABORATORIES, AND MUSEUMS

A DESCRIPTION of the University Library with more than two hundred and fifty thousand volumes, of the John Carter Brown Library of Americana, of the libraries and laboratories connected with the various departments, and of other Providence libraries at the service of students, may be found in earlier issues of the Catalogue.

UNIVERSITY EXTENSION

THE University offers during each year two series of extension courses, given at the University and open to all who desire to enter. Each course consists of ten lectures or other exercises, and, while not identical with the corresponding course offered to regular students, is equivalent in the general character and amount of the work required. Persons entering these courses may at their option attend merely as listeners, or may do the prescribed work and take the examination given at the end of the course.

On the completion of each course, certificates are issued to those who have done the work assigned and passed the examination. Each extension course of ten lectures or other exercises is regarded by the University as the equivalent of a regular one-hour course for one semester, and is accepted by the University in fulfilment of the requirements for the degree of A.B., Ph.B., and B.E., subject to such regulations respecting entrance requirements and prescribed courses as govern regularly enrolled candidates for the respective degrees. Regularly enrolled undergraduates, however, are not given credit for extension courses. Those who wish a certificate or university credit should announce their intention at the time of registration ; all such announcements must be made not later than the third lecture of the course.

Applications for admission to extension courses should be sent to Professor Walter Ballou Jacobs, Director of University Extension, John Hay Library, Brown University. The application should give the full name and the address of the applicant, the course or courses in which registration is desired, and, if the applicant is a teacher, the present educational position. On receipt of the fee, a card of admission is issued which must be shown at the lectures in each course. Classes are not formed in any course for which fewer than twenty-five apply. The fee for each course is three dollars and a half, payable in advance. Students desiring a certificate or university credit pay an additional fee of one dollar and a half; this fee is due on registration and must be paid not later than the third lecture of the course. Checks should be made payable to Brown

University. They should be sent with the application if possible; if not, payment may be made at the Comptroller's office, University Hall.

The courses offered during the first semester, 1917-18, were:

Geographic Factors in the War, Professor BROWN.

The World at War, Professor COLLIER.

Human Behavior, Professor COLVIN.

The Stars, Professor CURRIER.

Applications of Psychology, Professor DELABARRE.

International War Problems, Professor DUNNING.

Spanish Language, Professor JOHNSON.

French Civilization, Professor LANGDON.

Food for the Nation at War, Professor MITCHELL.

The Human Mechanism, Professor WALTER.

Wireless Telegraphy, Professor WATSON.

The Novel in English, Mr. ROY FOLLETT.

French Conversation, M. EDOUARD R. MASSEY.

Training for Home Service with the American Red Cross, Mr. HAROLD S. BUCKLIN; Miss E. FRANCES O'NEILL.

The courses offered during the second semester, 1917-18, were:

The Greeks in Literature and Life, Professor ALLINSON.

Military Sketching and Map Reading, Professor BROWN.

The World at War (Second Series), Professor COLLIER.

Memory: Its Nature and Improvement, Professor COLVIN.

Structural Design, Professor CROSS.

Elementary Spanish, Professor JOHNSON.

Elementary Electrical Engineering, Professor WATSON.

Wireless Telegraphy, Professor WATSON.

Social Work in War Time, Mr. HAROLD S. BUCKLIN.

The Novel in English, Mr. ROY FOLLETT.

French Conversation, M. EDOUARD R. MASSEY.

Food Requirements and Food Preparation, Mrs. IDA S. HARRINGTON, Home Economics Director for Rhode Island under Food Administration.

ARRANGEMENTS WITH OTHER INSTITUTIONS

THE RHODE ISLAND SCHOOL OF DESIGN

THE Rhode Island School of Design is an institution of large and increasing importance for the education of artisans and artists in the principles and processes of art, and for the general advancement of education in art by the exhibition of works of art and art studies, and by lectures. Its school buildings and museum are near the University grounds, and its collections are open daily to the public. Through its exhibitions there is opened to students an important means of culture.

The Corporation and Faculty of Brown University have agreed with the authorities of the Rhode Island School of Design upon a plan of coöperation in accordance with which certain courses at this School are open to students of the University and are counted towards a University degree. A description of these courses and a statement of the conditions under which they may be elected will be found in the list of courses given by the Department of Art, on pages 77, 78. Students from the Rhode Island School of Design are admitted to any classes in Brown University for which they are found to be prepared.

THE AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS

In 1902 a number of the friends of the University, in recognition of the sixtieth anniversary of the graduation of the late Professor Harkness, one of the founders of the American School of Classical Studies at Athens, united in contributing to the School the sum of five thousand five hundred and fifty-five dollars, to establish a fund to be known as "The Albert Harkness Fund for the Benefit of Brown University." By the establishment of this fund, the privilege of free tuition in the School is secured for all adequately prepared graduates of the University. Any who desire detailed information regarding the School may obtain it by applying to Professor Poland or Professor Allinson, members of the Managing Committee of the School.

THE NEWTON THEOLOGICAL INSTITUTION

The Newton Theological Institution has entered into an agreement with Brown University whereby certain work done in the University, for which a mark of *C* has been awarded, or upon which the student passes an examination satisfactory to the Faculty of the Newton Theological Institution, will be credited toward graduation in the Theological course as follows: Biblical Literature and History 1, 2, 3, 4 (132 hours); 11, 12, 13, 14 (108 hours); 15, 16,

17, 18 (112 hours); English 11, 12 (33 hours), — in all, 385 hours. The total number of prescribed hours in the Theological course at the Newton Theological Institution is 1485.

THE TRAINING OF TEACHERS

. . .

ARRANGEMENTS WITH THE BOARD OF EDUCATION OF THE STATE OF RHODE ISLAND

THE Board of Education of the State of Rhode Island under act of the Legislature has entered into coöperation with Brown University for the professional instruction of college graduates who desire to become teachers in high schools, principals of high schools or elementary schools, or superintendents, and of those who already hold such positions. For this purpose the state appropriates annually five thousand dollars. A part of this sum is employed in maintaining graduate courses in education. Part is expended in maintaining scholarships covering full tuition for a year of graduate work for the degree of Master of Arts. Holders of these scholarships must make Education their major subject, and their courses must be approved by the Department of Education. Graduate scholarships for professional studies are also granted for less than a full year of work. Appointment to these scholarships is made by the State Board of Education. Candidates must conform to the requirements for graduate students regularly fixed by the University.

ARRANGEMENTS WITH THE CITY OF PROVIDENCE

The School Committee of the City of Providence, by special agreement, appoints a number of student-teachers in the Providence High Schools. Appointments are made from Graduates of Brown University or of other institutions of equal rank, who have pursued undergraduate courses in Education. These student-teachers are of two types. Those of the first type — of whom there are at least four, two of each sex — are occupied in the schools each day for somewhat more than half the usual school session. They receive a salary of five hundred dollars a year from the city. Those of the second type teach and observe about five hours a week. They have considerably more freedom in the choice of subjects and of hours than those of the first type; they receive no remuneration from the city. An unusual opportunity is thus afforded students to gain at the same time a knowledge of the theory of education and experience in the art of teaching. In making appointments to places as regular teachers of the lowest grade in the Providence High Schools, preference is given to those who have successfully completed this course of training as student-teachers. In this respect student-teachers of the second type have the same status before

the Committee as those of the first type. The practice teaching in the Providence High Schools is done under the following Supervising Teachers :

Charles E. Dennis, Ph.D., *Latin*
Harriet P. Fuller, A.M., *Latin*
J. Madison Gathany, A.M., *History and Civics*
Clarence H. Manchester, A.M., *English*
Edith H. Williston, A.M., *German*
Richard O. Dummer, A.M., *Physics and Chemistry*
Alden E. Hodgkins, B.S., *Mathematics*
Franklin R. Cushman, A.M., *History*
William H. Eddy, Ph.D., *Mathematics*
Charles E. Paine, A.M., *Latin*
Mildred A. Carnes, A.M., *English*
Edith T. Matthews, A.M., *Commercial Subjects*
Harold C. Newton, A.M., *English*

In a similar way a number of students are appointed to places in the Providence Grammar Schools. They receive a salary of three hundred and fifty dollars a year from the city. A limited number of Seniors and Graduates who are pursuing courses in Education are allowed to observe and teach in the Grammar Schools of the city in a way similar to that provided for student-teachers of the second type in the High Schools. Student-teachers are also assigned practice teaching in other schools in and near Providence.

PROVISIONS FOR THE PERSONAL WELFARE OF THE STUDENTS

PHYSICAL TRAINING

FOR the physical training of the students excellent opportunities are offered by the Lyman Gymnasium. It is thoroughly equipped with baths, dressing-rooms, bowling alleys, and all kinds of apparatus usually found in modern gymnasiums. Connected with the gymnasium is the Colgate Hoyt Swimming Pool, seventy-five feet in length by twenty-five feet in width, with a capacity of seventy-five thousand gallons. All the gymnasium work is under the supervision of the Professor of Physical Training, who makes a thorough examination and measurement of each student on entrance, and at other times by request. Special cases are referred to the University Physician. Such exercises are prescribed as may be necessary to give health, strength, and symmetrical development. No student is allowed to attempt any feat which is likely to result in injury. From the close of the Thanksgiving recess to the beginning of the spring recess, all first and second year students are required to attend gymnasium exercises three times a week. For other members of the University voluntary classes are provided. The class work consists of setting-up exercises, developing exercises, calisthenics, the use of clubs, dumbbells, wands, and single sticks, and general athletics. In all the work, the aim is to develop health, strength, and vitality.

During the periods before Thanksgiving and after the spring recess, or until such time as a satisfactory test is passed, swimming is required three hours a week of all Freshmen and of all other students who have not previously passed the test, unless excused by the University physician.

All branches of athletics are under the management of the Brown University Athletic Association, and are controlled by a board of undergraduates. The Faculty Committee on Student Organizations has general oversight of the deportment and scholarship of the members of the various teams. Lincoln Field adjoins the gymnasium, and is a convenient place of exercise for the class teams and the students in general. Andrews Field, which is a mile and a half from the University, offers the usual opportunities for all the University teams. The Marston Field House, the gift of Edgar L. Marston, is fitted with dressing-rooms, lockers, baths, and other accommodations.

MEDICAL CARE

Any student suffering from illness is expected at once to visit or summon the University Physician, Dr. Raymond G. Bugbee (223 Thayer Street. Office hours 2 to 4 p.m.; 7 to 8 p.m. Telephone Angell 2660-W.). When called to see

students at their rooms, the duty of the University Physician is to make one call for diagnosis and prescription at the expense of the University. For continued attendance, students make their own arrangements with Dr. Bugbee or some other physician. All office calls are at the expense of students.

The University owns two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by the payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by the payment to the hospital of four thousand dollars by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital according to the rules of the institution."

A patient sent to the hospital in accordance with the above arrangements is entitled to occupy a bed in one of the wards, and to receive the usual care, medical, surgical, and other attendance, and medicines and board, free of charge; but if he occupies a separate room and is under the care of an outside physician, he will be expected to pay the hospital from sixteen to twenty-three dollars per week.

STUDENT ADVISERS

As early as possible in the year the members of the Freshman class are divided into small groups, for each of which some member of the Faculty acts as special counselor. In making the assignments, the expressed preference of either student or adviser is followed whenever practicable. One meeting is usually definitely appointed; but the working of the system is entirely informal, and while it is desired that it shall lead to closer personal relations, it fulfils its chief aim if it permits each student to feel that in any emergency of his college life he is free to claim the counsel of a mature and interested adviser.

THE BROWN UNION

The chief aim of the Brown Union is to encourage a vigorous and healthy social life in the University, to bring undergraduates, Faculty, and Alumni into closer relation than would otherwise be possible, and to unite under one roof, with competent direction, the various activities of the students. Membership is open to students, Alumni, and Faculty, and includes almost all of the undergraduates. The Board of Management consists of the President of the Union, who must be a member of the Senior class, and four members appointed by the Corporation. The Union occupies Rockefeller Hall, which is also the head-

quarters of the Brown Christian Association. The building contains offices for the Athletic Board, the athletic teams, the musical and dramatic clubs, the *Brunonian*, the *Daily Herald*, and the College Bookstore; rooms of various sizes for student meetings; and the usual conveniences of a social club, including large and handsomely furnished rooms for reading and lounging, an auditorium with a well-equipped stage, a dining-hall and lunch-room, a billiard room and a barber shop. In coöperation with the Christian Association, the Union gives entertainments on Tuesday evenings throughout the year, the programs including readings, musical or dramatic performances, and addresses of various sorts. The Secretary and Treasurer is George J. Heidt, A.B.

THE BROWN CHRISTIAN ASSOCIATION

The purpose of this Association is to unite all men who cherish Christian ideals in the service of their fellow-men. It welcomes to membership all men who are connected with the University. Among its activities are frequent meetings for the discussion of religious, philanthropic, vocational, and educational problems and for devotional purposes; the arrangement of conferences and interviews with visiting speakers; coöperation with the churches in religious and social work. It maintains an Information Bureau for new students at the beginning of the college year. All communications relative to the Association or to the Information Bureau should be addressed to George J. Heidt, A.B., General Secretary of the Association. His offices are Rooms J and K, Rockefeller Hall. Rooms L, M, and N are specially designated for the various activities of the Association.

The University and the Christian Association coöperate in offering to the students the aid of the Employment Bureau in securing employment for undergraduates by business houses and residents of the city. Students desiring work of any kind should register with the Secretary, Mr. Heidt.

RELIGIOUS SERVICES

A chapel service is held in Sayles Hall every week day at 9 a.m. The President usually conducts the exercises. Attendance is required of undergraduates.

DORMITORY ACCOMMODATIONS

IN the University dormitories there are one hundred and twenty-six single rooms and thirty-three suites. None of the rooms or suites are furnished. A table showing the rent and location of the dormitory rooms is printed in the Appendix. The prices there given include rent, heat, and service for the college year, but not lighting; there is a meter for each room, and the occupants are charged for the amount of light used.

Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay or cause to be paid the rent of the room through the entire year. Not more than two students are allowed regularly to occupy a room or suite. No sub-letting of rooms will be permitted. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

The following is a contract between Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room No. in ; the same not to be occupied by any other person without consent of the party of the first part; and I bind myself to pay or cause to be paid to the Registrar of Brown University the entire rent, including heat and service, amounting to \$ for the college year beginning September, 191

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room, ordinary wear excepted; also that disuse of the room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed _____

This day of 191 .

When the University holds full contracts for a room, the tenant or tenants may admit to the use of the room in the daytime one or two students, but not more than two. The names of any such sub-tenants must be reported to the Registrar as soon as the arrangement for sub-tenancy is made. For each sub-tenant the University makes an extra charge of \$1.50 a semester for service. This sum is paid by the tenant-in-chief, if there is but one; if there are two, each pays half.

All rooms not assigned for 1919-20 before May 8, 1919, will be disposed of at a drawing on May 22 at 4 p.m. Men intending to enter college in September can arrange to be represented at the drawing by notifying the Registrar in advance.

UNIVERSITY FEES†

FOR STUDENTS WHO ENTERED BEFORE SEPTEMBER, 1917

FEES FOR UNDERGRADUATES. *Tuition:* \$76.50 a semester; \$153 a year. *Graduation fee* (Senior year only): \$8.

Special students who are taking courses amounting to less than fifteen hours a week pay in proportion to the actual amount taken.

FEES FOR RESIDENT GRADUATE STUDENTS. *Tuition:* \$75 a semester; \$150 a year. *Graduation fee:* for the degree of Master of Arts, \$15; for the degree of Master of Science, \$15; for the degree of Doctor of Philosophy, \$25.

Graduate students who are taking courses amounting to less than fifteen hours a week pay \$15 a semester for each three-hour course.

A candidate for the degree of Master of Arts who without remitting his studies becomes a candidate for the degree of Doctor of Philosophy, is credited with whatever graduate tuition he has already paid for courses that are allowed to count toward the higher degree.

LABORATORY FEES. In addition to the fees mentioned above, charges are made for laboratory courses, covering the cost of ordinary supplies; special supplies and breakage are charged extra. Regular laboratory fees are as follows:

Biology: \$4.50 a semester for courses 1, 2; 3, 4; 5, 6; 7, 8; 9, 10; 12; 13, 14; 15, 16; 17, 18; 35, 36.

Botany: \$1.50 a semester for courses 1, 2; 20; \$4.50 a semester (for each three hours of credit) for courses 3, 4; 5, 6; 11, 12; 13, 14; fee for course 7, 8 depends upon the nature of the work taken.

Chemistry: \$4.50 a semester for course 1, 2; \$7.50 a semester for courses 3, 4; 5, 6; 7; 9; 10; 12; 13, 14; 32; \$7.50 a semester (for each three hours of credit) for courses 21, 22; 23, 24; 25, 26; 29, 30; \$12.50 for course 8 (for six hours of credit); \$3.75 for course 8a (for three hours of credit); \$2.50 a semester for courses 15, 16; 17, 18.

Electrical Engineering: \$2.50 a semester for courses 1; 2; 3; 9; 10.

Geology: \$1.50 a semester for courses 1; 4; 8; 15; \$3 a semester for course 9, 10.

Mechanical Engineering: \$7.50 a semester for courses 1; 2.

Physics: \$6 a semester for courses 5, 6; 11, 12; 25, 26; \$4 a semester for course 21, 22; \$8 a semester for course 23, 24.

SPECIAL FEES. At the beginning of the second semester all students occupying dormitory rooms or taking laboratory courses must, in addition to the

† For 1918-19, while the University year is divided into terms, not semesters, University Fees, including laboratory and special fees, are payable in three instalments at the beginning of each term.

payment of the above amounts, make a deposit of \$5 toward charges for light or breakage during that semester.

Candidates for a first degree who do not pay four years' full tuition fees must pay for all extra courses counted toward the degree at the rate of \$7.50 a semester for each three-hour course. This payment must be made at the beginning of the semester in which the work for the degree is to be completed. This rule does not apply to courses credited from other institutions.

Candidates for the degree of Master of Arts or Master of Science who do not pay full tuition fees for one year, and candidates for the degree of Doctor of Philosophy who do not pay full tuition fees for two years, must pay for all extra courses counted toward the degree at the rate of \$7.50 a semester for each three-hour course. This payment must be made at the beginning of the semester in which the work for the degree is to be completed. This rule does not apply to courses credited from other institutions.

NEW UNIVERSITY FEES

FOR STUDENTS WHO ENTERED IN SEPTEMBER, 1917, OR AFTER

For all students entering in September, 1917, or thereafter (whether admitted to the Freshman class, or to advanced standing, or as special students, or as graduate students), the annual charge for tuition will be \$175. No charge will be made for incidentals or matriculation. A detailed statement follows:

FEES FOR UNDERGRADUATES. *Tuition*: \$87.50 a semester; \$175 a year. *Graduation fee* (Senior year only): \$10.

Special students who are taking courses amounting to less than fifteen hours a week pay in proportion to the actual amount taken.

FEES FOR GRADUATE STUDENTS. *Tuition*: \$87.50 a semester; \$175 a year. *Graduation fee*: for the degree of Master of Arts, \$15; for the degree of Master of Science, \$15; for the degree of Doctor of Philosophy, \$25.

Graduate students who are taking courses amounting to less than fifteen hours a week pay \$17.50 a semester for each three-hour course.

A candidate for the degree of Master of Arts who without remitting his studies becomes a candidate for the degree of Doctor of Philosophy, is credited with whatever graduate tuition he has already paid for courses that are allowed to count toward the higher degree.

LABORATORY FEES. In addition to the fees mentioned above, charges are made for laboratory courses covering the cost of ordinary supplies; special supplies and breakage are charged extra. For the schedule of laboratory fees see page 127.

SPECIAL FEES. At the beginning of each semester all students occupying dormitory rooms or taking laboratory courses must, in addition to the payment of the above amounts, make a deposit of \$5 toward charges for light or breakage during the semester.

Candidates for a first degree who do not pay four years' full tuition fees must pay for all extra courses counted toward the degree at the rate of \$8.75 a semester for each three-hour course. This amount must be paid with the regular bill for the semester preceding the completion of the degree work. This rule does not apply to courses credited from other institutions.

Candidates for the degree of Master of Arts or Master of Science who do not pay full tuition fees for one year, and candidates for the degree of Doctor of Philosophy who do not pay full tuition fees for two years, must pay for all extra courses counted toward the degree at the rate of \$8.75 a semester for each three-hour course. This amount must be paid with the regular bill for the semester preceding the completion of the degree work. This rule does not apply to courses credited from other institutions.

ESTIMATE OF ANNUAL EXPENSES

FOR STUDENTS WHO ENTER IN 1917, OR AFTER

The following is an approximate estimate of the annual expenses of a student who occupies a dormitory room (with a room-mate). It does not include the graduation fee of \$10 in the fourth year, nor outlay for clothes and traveling or other strictly personal expenses.

	<i>Lowest</i>	<i>Moderate</i>	<i>Liberal</i>
<i>Tuition</i>	\$175.00	\$175.00	\$175.00
<i>Room rent, including heat and service</i>	53.50	75.00	187.50
<i>Board (36 weeks)</i>	162.00	200.00	250.00
<i>Textbooks and laboratory expenses</i>	15.00	25.00	40.00
<i>Total</i>	<u>\$405.50</u>	<u>\$475.00</u>	<u>\$652.50</u>

Students who need to earn money find many opportunities for doing so in the city. See Undergraduate Employment Bureau, page 125.

PAYMENT OF UNIVERSITY BILLS†

BEFORE registration, at the beginning of each semester, every student must pay at the Comptroller's Office, the sum of twenty-five dollars on account of his bill for the semester.

As soon as possible after the beginning of each semester a complete bill will

† See footnote, page 127.

be sent to each student at his college address (unless otherwise requested), and students will be held responsible for college addresses as filed by them. This bill will include the semester charges for tuition, room rent, laboratory fees, and any special fees, including deposits, which may properly be charged. The twenty-five dollar payment made before registration and the amount of scholarship aid, if any, will be deducted. The net bill must be paid before 5 p.m. on the twentieth day of the semester. A student whose bill is not paid at this time will be dropped from the University.

Students who are employed in any capacity by the University must pay their bills without reference to the amount to be received for such service. Payment for service will be made by check at the middle and at the end of each semester.

Candidates for graduation in any year must pay all graduation fees with the bill for the second semester of that year.

FINANCIAL AID TO STUDENTS‡

THE aid which Brown University gives to students is of three kinds: awards from fellowship, scholarship, and aid funds; loans; payment in cash for services rendered. The awards from the scholarship and aid funds are made under the following conditions: an applicant must be of good moral character; he must be in need of financial assistance; he must have been admitted without conditions to the Freshman class or to advanced standing, as a candidate for a degree. The scholarship or aid will be withdrawn from a recipient who is placed under college discipline or who fails to maintain creditable standing in his studies (a grade of *C* is expected).

The administration of the scholarship and aid funds is in the hands of a committee of the Faculty, annually appointed by the Corporation. Applications for scholarships for a given academic year should be filed with the Secretary of the Committee on Scholarships as soon as possible after May 1. The Committee will take action early in June on all applications received before June 1. Action on late applications is generally taken as soon as all the requisite information is received. The President has charge of the administration of fellowships; service appointments are in charge of the Committee on Student Service.

FELLOWSHIP FUNDS

THE GRAND ARMY OF THE REPUBLIC FELLOWSHIP. The income of a fund of ten thousand dollars given by the Grand Army of the Republic, Department of Rhode Island, is annually awarded to a graduate of

‡ A more detailed description of fellowships and scholarships may be found in earlier issues of the Catalogue.

Brown University, of acknowledged excellence in scholarship and character. Applications for this fellowship must be made in writing on blanks furnished by the Dean of the Graduate Department, and must be in the hands of the President not later than April 15. The Grand Army of the Republic Fellow for 1918-19 is

CLARENCE RAYMOND ADAMS, A.B.

THE OLIVER CROMWELL GORTON ARNOLD BIOLOGICAL FELLOWSHIP. The income of a fund of ten thousand dollars given by Dr. Oliver Henry Arnold in memory of his father. No appointment was made for 1918-19.

THE MORGAN EDWARDS FELLOWSHIP. The income of a fund of ten thousand dollars given by the Philadelphia alumni of Brown University. No appointment was made for 1918-19.

THE EMMA JOSEPHINE AYER ARNOLD ARCHAEOLOGICAL FELLOWSHIP. The income of a fund of ten thousand dollars given by Dr. Oliver Henry Arnold in memory of his wife. It is primarily for the Women's College (see page 191), but if no graduate of the Women's College fulfils the conditions, the income of this fund may be paid, with the consent of the Dean of the Women's College, for one year, to some male student fulfilling the conditions. For 1918-19 this fellowship was awarded to

ADELE MADELEINE WILDES, A.B.

THE DU PONT FELLOWSHIP. The sum of seven hundred and fifty dollars was given by E. I. du Pont de Nemours and Company, to be awarded in 1918-19 for graduate research in chemistry. It is hoped that the fellowship will be continued from year to year. For 1918-19 this fellowship was awarded to

HENRY WEEDEN UNDERWOOD, JR., Sc.M.

TEACHING FELLOWSHIPS. In addition to the foregoing a number of Teaching Fellowships have been established, information regarding which will be furnished by the President.

SCHOLARSHIP AND AID FUNDS

FUNDED SCHOLARSHIPS. There are now seventy-six scholarships of one thousand dollars, each yielding the beneficiary forty to fifty dollars annually. There are also thirty-one scholarships of larger amounts, yielding from eighty to three hundred dollars annually.

THE WALTER S. HACKNEY FUND was given to the University during this year.

This is a fund of three thousand dollars, the income thereof to be used by

the President, or acting President, of the University to aid regular students of the University without adequate means to obtain an education. Each beneficiary shall give a receipt for all money received, and shall agree, without making any written pledge, to refund the amounts received by him whenever he can do so conveniently, all sums so repaid to be added to the principal.

AID FUNDS. There are eleven aid funds at the disposal of the University. The income of these funds is divided into scholarships of varying amounts, which are awarded under the general conditions applicable to all scholarships.

In addition to the income of the Scholarship and Aid Funds, there have been established University scholarships, which are of three grades:

(1) A small number yielding each \$75 a semester or \$150 a year, awarded to a few students of especially high scholarship.

(2) A small number yielding each \$60 a semester or \$120 a year, awarded to students of high scholarship.

(3) A number yielding each from \$25 to \$50 a semester, used in part to supplement the smaller endowed scholarships, and also for those students needing relatively less assistance.

It is expected that the holders of these scholarships will regard them as in a certain sense loans, and will at some time after graduation return to the treasury the amount awarded, to be used for the increase of the permanent scholarship funds, or that they will in some other way contribute to the endowment of the University.

LOAN FUNDS

I. The Alumni Loan Fund, now amounting to about forty-three hundred dollars, was established by the Alumni Association at the Commencement of 1900 by a vote transferring to the Treasurer of the University the fund formerly known as the Brown Loyalty Fund, to be used as a loan fund for students. The principal of this fund is loaned at interest, to be repaid as agreed upon in each instance.

II. There is another fund, of several hundred dollars, which is loaned in small amounts without interest, for short periods, to students unexpectedly needing temporary assistance.

SERVICE

The University is able to give employment to a number of students as monitors, assistants in the libraries and laboratories, members of the choir, clerks in the Administrative offices, and so forth. Applications for employment of this kind should be filed with the Committee on Student Service. See also the statement concerning the Undergraduate Employment Bureau, page 125.

PREMIUMS, PRIZES, AND HONORS†

FOR EXCELLENCE IN UNIVERSITY STUDIES

THE WILLIAM GASTON SCHOLARSHIP. This fund of five thousand dollars was established in 1899 by the widow and children of the Hon. William Gaston, LL.D., of the class of 1840. Its income is awarded annually by the Faculty solely upon merit, without reference to financial condition. For 1918-19 this scholarship was awarded to

WILLIAM HENRY EDWARDS

THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY. From the income of a fund of three thousand dollars established in 1894 as a memorial to the Hon. William Gaston, LL.D., of the class of 1840, a gold medal is annually awarded to the member of the graduating class who delivers the best original oration in English. The orations are not to exceed fifteen hundred words. In order to compete for the prize, a student must deposit with the Registrar a typewritten copy of his oration, signed with an assumed name, six weeks before the public competition. From these orations a committee appointed by the President of the University selects not more than six for delivery. The committee of award in the final contest consists of three members appointed by the President. In making the award, regard is given to thought, style, and delivery. The winner of the medal is entitled to deliver an oration at Commencement. In 1919 the orations must be deposited with the Registrar on or before April 8; the public competition will be held on May 20. In 1918 no award was made.

THE CARPENTER PREMIUMS, two in number, are derived from the income of funds established in 1867, one by Thomas Carpenter and one by Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life,—ability, character, and attainment." In 1918 these premiums were awarded to

GEORGE JULIUS HEIDT and ALBERT SANGER PRATT

THE HOWELL PREMIUM. The income of a fund amounting to one thousand dollars, presented to the University in 1867 by Gamaliel Lyman Dwight, is

† The premiums and prizes here enumerated are, with the exception of the *Society of Colonial Dames Prize in American History* (see page 135), intended for men. The students of the Women's College are, however, entitled to compete in all examinations for premiums and prizes offered in Brown University. In case any woman is entitled to a first premium, one is awarded her by the Dean of the Women's College. For premiums awarded to women in 1918, see page 190.

given at the close of the first semester of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the premium, a student must, in each semester from the beginning of the Freshman year to the end of the first semester of the Senior year, take at least one course in one of the following subjects: Mathematics, Physics, Mechanics, Astronomy. In 1918 this premium was awarded to

CLARENCE RAYMOND ADAMS

THE FOSTER PREMIUM IN GREEK is derived from the income of a fund of three thousand dollars bequeathed to the University in 1880 by the Hon. Lafayette Sabine Foster, of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third, and twenty-fourth books of Homer's *Iliad*, or in the *Oration on the Crown* by Demosthenes." The examinations are open to the members of the Senior class. The next examination will be held on Wednesday, May 7, 1919; candidates will be examined in the *Iliad*. In 1918 the premium was awarded to

GEORGE JULIUS HEIDT

THE LUCIUS LYON PREMIUMS IN LATIN are derived from the income of a fund of five thousand dollars presented to the University in 1893 by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year forms the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded on the basis of a special examination held during the second semester of the Senior year. In 1919 the examination will be held on May 21. The examination may relate to any or all of the following subjects: the Latin language, Roman literature, Roman history. The President of the University and the head of the department of Roman Literature and History prescribe the conditions for admission to the examination. In 1918 the premiums were awarded as follows:

The first premium to WALTER ADLER

The second premium to HERBERT WINFIELD CHAPPELL

THE CLASS OF 1873 PRIZE. The income of a fund of one thousand dollars, presented to the University by the class of 1873, is awarded each year to that member of the Senior class who writes the best essay on a historical or a philosophical subject. The subjects, which are of a historical nature one year and of a philosophical nature the next, are assigned by the respective departments. In 1919 the essays must be deposited with the Registrar on or before May 28. For 1918-19 the subject is: *The Moral Value of Military*

Training. For 1917-18 the subject was: *Belgium as a Factor in British Foreign Policy, 1790-1914.* The prize was awarded to

THOMAS MCINTYRE, JR.

THE BISHOP McVICKAR PRIZES were founded by the late Rt. Rev. William N. McVickar, Bishop of the Protestant Episcopal Diocese of Rhode Island, and are continued by his sister, Miss E. C. McVickar. A first prize of fifty dollars and a second prize of twenty-five dollars are awarded for the best essays of from three to four thousand words on a subject assigned by the department of Biblical Literature. The competition is open to undergraduate men who are, or have been, students in the department of Biblical Literature. Those who intend to compete must give their names to the head of the department not later than March 1, and the essays, under an assumed name, must be delivered to the Registrar not later than April 30. For 1918-19 the subject is: *The Old Testament and American Ideals of Government.* For 1917-18 the subject was: *Jesus and the Ideals of the Prophets.* The prizes were awarded as follows:

The first prize to GEORGE JULIUS HEIDT

The second prize to ARTHUR GODFREY SELLERS

THE SOCIETY OF COLONIAL DAMES PRIZE IN AMERICAN HISTORY. The income of a fund of fifteen hundred dollars, known as The Roger Williams Fund established by the National Society of Colonial Dames in the State of Rhode Island and Providence Plantations, given to the University in 1906, is awarded each year as a prize for the best essay on a subject in American colonial history. The competition is open to Juniors, Seniors, and Graduates, and to men and women on equal terms. Essays must show independent use of authorities, and should, in general, extend to at least four thousand words. Those who intend to compete should give their names to the head of the department of History not later than March 1, and the essays, under an assumed name, must be delivered to the Registrar not later than May 14. The name of the successful competitor is announced at Commencement. For 1918-19 the subject is: *The Charter of Rhode Island and Providence Plantations, 1663: An Account of its Origin.* No prize was awarded in 1918.

THE BENNETT PRIZE of twenty-five dollars was established in 1905 by Philo Sherman Bennett, for the best essay discussing the principles of free government. The essays of from three to six thousand words in length must be typewritten, signed with an assumed name, and deposited with the Registrar before 1 p.m. on Monday, April 22. The judges, three in number, are appointed by the President. For 1917-18 the subject was: *Should the Federal Constitution be amended by vote of a simple majority of the states or by vote of three-fourths of the states?* The prize was awarded to

THOMAS MCINTYRE, JR.

THE CLASS OF 1880 PRIZES, established in 1905 by the class of 1880, are awarded each year to those undergraduates who show the most ability in presenting arguments on some current question of importance to the University. The subject for discussion, the time, and the manner of presentation are all determined by representatives of the English department in consultation with the president of the Debating Union and the editors-in-chief of the *Brunonian* and the *Brown Daily Herald*. The prizes are awarded by a board of five judges: two are appointed by the President, two by the undergraduate members of the committee in charge; the fifth is a member of the English department.

In 1918-19 a first prize of thirty-five dollars and a second prize of twenty-five dollars will be awarded to the students who show the most ability in a public discussion of the subject. This discussion will be held on February 19; a preliminary discussion will be held on February 12. A first prize of twenty-five dollars and a second prize of fifteen dollars will be awarded to the writers of the best argumentative essays of from three thousand to five thousand words upon the same subject. The essays must be signed with an assumed name; they must be in the hands of the Registrar before 4 p.m., December 8. Either prize for the essay may be withheld if the judges deem it best. A student may enter both competitions. For 1918-19 the subject is: *Should rushing and pledging for fraternities be postponed until the second semester?* For 1917-18 the subject was: *Should the fraternities at Brown be permitted to conduct dining rooms in their own quarters?* No essay prizes were awarded. The prizes for the discussion were awarded as follows:

The first prize to GEORGE JULIUS HEIDT

The second prize to WILLIAM HENRY EDWARDS

THE HICKS PRIZES FOR EXCELLENCE IN DEBATE, established by the Hon. Ratcliffe Hicks, of the class of 1864, are annually awarded as follows:

I. Two prizes of fifty dollars each, one for each of the two sets of representatives of the University in the intercollegiate debates. In each instance the prize is given to the man showing the greatest ability both in the preliminary trials and in the final trial. In awarding the prize, regard is given to thought, style, and delivery. The judges are at least three in number, appointed by the Debating Union. In 1918 these prizes were awarded to

WILLIAM HENRY EDWARDS and GEORGE JULIUS HEIDT

II. A first prize of thirty dollars and two second prizes of twenty dollars to the students showing the greatest ability in a public debate between the representatives of the Junior and Sophomore classes. Each class is represented by three men, whom a committee appointed by the President of the University chooses from the preliminary contestants at least three weeks before the public debate. This committee also determines the subject and makes

the necessary arrangements. The judges in the public debate are three,—one appointed by the President, and one by each group of competitors. The prizes are awarded irrespective of the decision upon the debate as a whole. Any one prize may be withheld if no one is adjudged to deserve it. In making the award, regard is given to thought, style, and delivery. In 1919 the public debate will be held on May 13. In 1918 these prizes were awarded as follows :

The first prize to THOMAS FRANCIS BLACK, JR.

The second prizes to JAMES SAVILLE EASTHAM
and WALTER VINCENT MORIARTY

THE HICKS PRIZE IN ENGLISH, awarded at the end of the first semester of the Senior year to the student having the highest standing in the courses in English literature and language. In 1918 this prize was awarded to

SIDNEY RUSSELL GAIR

THE DUNN PREMIUM. The income of a fund of one thousand dollars, presented to the University in 1872 by pupils and friends of Professor Robinson Potter Dunn, is given, at the end of the Junior year, to the student having the highest standing in the courses in rhetoric, English composition, and public speaking. In making the award, regard is given to the number of such courses taken as well as to the rank attained in them. In 1918 this premium was awarded to

RUDOLPH JOHN CHAUNCEY FISHER

THE J. ACKERMAN COLES PRIZES. The income of a fund of one thousand dollars, presented to the University in 1907 by Dr. J. Ackerman Coles, is expended for prizes for the encouragement of intramural athletic sports.

THE CARPENTER PRIZES FOR ELOCUTION, derived from the income of a fund established in 1867 by Thomas Carpenter, are awarded each year to the three students to whom are assigned the first, the second, and the third rank of excellence in elocution. The competition is open to all members of the Sophomore class, and to those members of the Junior class who did not enter the preliminary competition in their Sophomore year. The selections declaimed may be either prose or verse. They must be approved by the Professor of Public Speaking, with whom competitors must enter their names not later than January 21. A preliminary contest for the purpose of selecting the speakers takes place in the early part of the second semester; all arrangements for it are in the hands of the Professor of Public Speaking. The committee of award consists of five members,—the Professor of Public Speaking, who is the chairman, two persons selected by the Corporation, and two persons selected by the Sophomore class; no one who is or has been a member of the class is eligible to membership in the committee. In 1919

the contest will be held in Manning Hall on April 15. In 1918 these prizes were awarded as follows :

The first prize to JOHN SHERMAN PRIGGE

The second prize to ROBERT AUGUSTUS LAWDER

The third prize to EDWARD SEFTON PORTER

FOR EXCELLENCE IN PREPARATORY STUDIES

THE PRESIDENT'S PREMIUMS, derived from the income of a fund presented to the University in 1843 by President Wayland, are awarded each year to those members of the Freshman class who upon examination are found to excel in the studies required for admission to the University in Greek and Latin. First and Second Premiums are awarded in each of these studies. The examinations deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Special importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate, and idiomatic English. The examination in Greek is held in 5 Maxcy Hall at 2.30 p.m. on the second Wednesday of the first semester (October 2, 1918), and that in Latin in 1 Sayles Hall at 2.30 p.m. on the third Wednesday (October 9, 1918). The award of these premiums in 1918 was as follows :

In Greek the first premium to CLARENCE MANTON EDDY, instructed in the Classical High School, Providence.

The second premium was not awarded.

In Latin the first premium to CLARENCE MANTON EDDY, instructed in the Classical High School, Providence.

The second premium to WILLIAM CHACE GREENE, JR., instructed in the Moses Brown School, Providence.

THE HARTSHORN PREMIUMS IN MATHEMATICS, derived from the income of a fund of one thousand dollars presented to the University in 1872 by Joseph Charles Hartshorn, of the class of 1841, are awarded each year to the two members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission to the University. The examination is held in 26 Wilson Hall at 2 p.m. on the fourth Wednesday of the first semester (October 16, 1918). The award of these premiums in 1918 was as follows :

The first and second premiums were divided in equal parts between CLARENCE MANTON EDDY, instructed in the Classical High School, Providence, and WALLACE NUTTING THURBER, instructed in the Hope Street High School, Providence.

THE ENTRANCE PREMIUMS IN FRENCH, derived from the income of the President's Premium Fund, are awarded each year to the two members of the Freshman class who upon examination are found to excel in the French studies required for admission to the University. The examination is held in 1 Sayles Hall at 2 p.m. on the fifth Wednesday of the first semester (October 23, 1918). The award of these premiums in 1918 was as follows:

The first premium to CHARLES HOPKINS, instructed in the Classical High School, Providence.

The second premium to CLARENCE MANTON EDDY, instructed in the Classical High School, Providence.

THE CAESAR MISCH ENTRANCE PREMIUMS IN GERMAN are awarded each year to the two members of the Freshman class who upon examination are found to excel in the German studies required for admission to the University. The examination is held in 5 Sayles Hall at 2 p.m. on the sixth Wednesday of the first semester (October 30, 1918). The award of these premiums in 1918 was as follows:

The first prize to CHARLES HOPKINS, instructed in the Classical High School, Providence.

The second prize to WILLIAM SEAMAN, instructed in the Classical High School, Providence.

HONOR SCHOLARSHIPS

To encourage proficiency in studies and to provide recognition for successful application to college work, the Faculty has established Honor Scholarships without aid as follows:

THE JAMES MANNING SCHOLARSHIPS, awarded to those undergraduates whose work throughout the year has been of such excellence that they are deemed worthy of very high academic distinction. For 1917-18 these scholarships were awarded as follows:

Class of 1918

CLARENCE RAYMOND ADAMS

REGINALD GORDON HARRIS

ROY WILMOT BENTON

GEORGE JULIUS HEIDT

EMERY MILTON FOSTER

SZE-CHEN LIAO

Class of 1919

JAMES SAVILLE EASTHAM

SAMUEL JOHN MANN

EUGENE WILLIAM O'BRIEN

Class of 1920

JAMES QUAYLE DEALEY, JR.

WALTER RICHMOND GARDNER

IRVING AUGUSTINE FARRELL

FRED LORIN ITSCHNER

FRANCIS WAYLAND SCHOLARS

Class of 1918

HERBERT WINFIELD CHAPPELL	THOMAS MCINTYRE, JR.
GEORGE ARTHUR DUBOIS	WILFRED PICKLES
CHARLES GURNEY EDWARDS	WILLIAM WALKER RUSSELL
FLOYD CERELLE FAY, JR.	HARLEIGH VAN SLYCK TINGLEY
WILLIAM MILLER FAY	JAMES WALTER WILSON

Class of 1919

WILLIAM HENRY EDWARDS	FREDERICK ROLAND KROENER
FRED BARTLETT PERKINS	

Class of 1920

HARLEY FRANK CAREY	JOHN WALTER HARRIMAN
MARSHALL NAIRNE FULTON	ROBERT BRUCE LINDSAY
HAROLD AUGUSTUS PHELPS	

Class of 1921

THOMAS CORCORAN GUNNING	ROBERT GALE NOYES
-------------------------	-------------------

APPOINTMENTS FOR COMMENCEMENT

At Commencement three or four members of the graduating class deliver original orations in English of not more than fifteen hundred words each. One speaker is the winner of the Gaston medal; the others are appointed by the Faculty. The basis of selection is scholarship, ability to write, and ability to speak. In 1918 the speakers selected by the Faculty were:

CLARENCE RAYMOND ADAMS	CHARLES GURNEY EDWARDS
GEORGE JULIUS HEIDT	

FINAL HONORS

FINAL HONORS in any department are awarded, at the completion of the studies leading to a bachelor's degree, to those who have secured: (1) A mark of *A* in courses in the department aggregating twelve or more semester hours; (2) a mark of *B* or *A* in eighty-five per cent. of all their courses of study. In any department, however, certain specified courses may not be included in those counted for Final Honors. The names of all students awarded Final Honors are printed in the Commencement Program and in the Annual Catalogue. After 1917-18 the name of the Honors will be changed from "Final" to "Department," and honors will be awarded to those who have taken a total of eighteen semester hours in the department, of which

twelve hours must be of *A* grade and the other six not lower than *B* grade. The other regulations will be the same as in previous years. In 1918 the awards were as follows:

- CLARENCE RAYMOND ADAMS, *Mathematics, Roman Literature and History.*
WALTER ADLER, *Roman Literature and History, Romance Languages and Literatures, Social and Political Science.*
ELIJAH ANTHONY, 2D, *Social and Political Science.*
ROY WILMOT BENTON, *Biology, Chemistry.*
ZENAS RANDALL BLISS, *Mathematics.*
KENNETH LIVINGSTON BURDON, *Biology.*
EDWARD JAMES BUTLER, *Romance Languages and Literatures.*
HERBERT WINFIELD CHAPPELL, *History, Roman Literature and History.*
GEORGE ARTHUR DUBOIS, *Mechanical Engineering.*
CHARLES GURNEY EDWARDS, *Economics, Greek Literature and History, History, Romance Languages and Literatures.*
FLOYD CERELLE FAY, JR., *Economics.*
WILLIAM MILLER FAY, *Economics, Roman Literature and History, Social and Political Science.*
GEORGE JULIUS HEIDT, *Biblical Literature and History, Germanic Languages and Literatures, Philosophy.*
HORACE CARPENTER JEFFERS, *Romance Languages and Literatures, Social and Political Science.*
THOMAS MCINTYRE, JR., *Biblical Literature and History, Philosophy, Social and Political Science.*
JAMES EDWARD PAIGE, *Biology, Romance Languages and Literatures.*
WILFRED PICKLES, *Biology, Roman Literature and History.*
ALBERT SANGER PRATT, *Mathematics, Roman Literature and History, Romance Languages and Literatures.*
WILLIAM WALKER RUSSELL, *Chemistry.*
HARLEIGH VAN SLYCK TINGLEY, *Mathematics, Mechanical Engineering, Physics.*
JAMES WALTER WILSON, *Biology, Chemistry.*
HERMAN AARON WINKLER, *Biology.*

DOROTHY CARTER ALLAN, *Education, English, Germanic Languages and Literatures, Romance Languages and Literatures.*
MARIE Ettl, *Social and Political Science.*
MARJORIE LAKE EVERINGHAM, *English, Romance Languages and Literatures.*
HELEN AXTELL MOWRY, *Biology, Romance Languages and Literatures.*
JANE FRANCES PECKHAM, *Biology.*
MARION ROBINS PFEIFFER, *Romance Languages and Literatures.*
BEATRICE SOPHIA RAYMENT, *Romance Languages and Literatures.*
HANNAH GRACE ROACH, *Biology, Education, English, Greek Literature and History, History, Romance Languages and Literatures.*

RUTH ESTELLA WELLS, *History, Romance Languages and Literatures.*

ANNE TERRY WHITE, *Biology.*

CAROLINE LOUISA WRIGHT, *Romance Languages and Literatures.*

RUTH WAKEFIELD, *Roman Literature and History.*

DEGREES CONFERRED IN 1918

DEGREES IN COURSE

BACHELOR OF ARTS

Clarence Raymond Adams
Walter Adler
Elijah Anthony, 2d
James Francis Armstrong
Howard Bartholomew Arnold
James Van Benschoten Bennett
Roswell Sewell Bosworth
Vernon Aubrey Bowman
Franklin Coolidge Brooks
Herbert Winfield Chappell
Raymond Edward Cuffe
Charles Gurney Edwards
Floyd Cerelle Fay, Jr.
William Miller Fay
Cyrus Glenn Flanders
Francis Vincent Garside
Karnek A. Handanian
George Julius Heidt
Horace Carpenter Jeffers

James Irving McDowell
Thomas McIntyre, Jr.
William Anthony Maguire
Julian Brewer Marshall
Clifton Irving Munroe
James Edward Paige
Wilfred Pickles
Albert Sanger Pratt
Dana Rice
John Christiano da Rosa
Samuel Isador Silverman
William Eyre Sisson
Merrick Lyon Streeter. *With the class
of 1907*
Thomas Bryant Smith. *With the class
of 1917*
Jacob Theodore Sydney
William Wallace Wade. *With the class
of 1917*

Dorothy Carter Allan
Marian Elizabeth Anthony
Lillian Dorothy Beals
Mary Isabel Briggs
Jennie Cooperstein
Clara Elizabeth Dealey
Marie Ettl
Marjorie Lake Everingham
Elsie May Flint
Dorothy Foster
Marie Blanche Fregeau
Mae Emily Jackson
Agnes Isadore Johnson
Marie Stella La France
Irene Hazel Magaveny

Imogene Louise Minkins
Sarah Ida Morse
Helen Axtell Mowry
Elizabeth Rogers O'Donnell
Ellen Rose Pearce
Jane Frances Peckham
Beatrice Sophia Rayment
Hannah Grace Roach
Marion Sherman
Annie Desmond Sisson
Mildred Mary Stanton
Ruth Wakefield
Madeleine Howe Webster
Olive Collins White
Janet Agnes Williamson

BROWN UNIVERSITY

BACHELOR OF PHILOSOPHY

Charles Walter Arthur	James Beecher Hobbs
Roy Wilmot Benton	Malcolm Cleveland Hylan
Zenas Randall Bliss	Paul Homer Keough. <i>With the class</i>
Kenneth Livingston Burdon	<i>of 1917</i>
Edward James Butler	Clifford Pierpont Ladd
Earl Thompson Cox	Samuel Leiboff
Albert Edwin Dillingham	Wardwell Coles Leonard
Peter Terence Dolan. <i>With the class</i>	Sze-Chen Liao
<i>of 1901</i>	Ogden Richardson Lindsley
Chester Miller Downing	Harold Allen McKay
Kenneth Ainsworth Flanders. <i>With</i>	Henry Russell Mannex
<i>the class of 1917</i>	Robert Colby Moore
Emery Milton Foster	Raymond Henry Parker
Rodolphe Armidas Gladue	William Walker Russell
Attmore Edwin Griffin	Augustus Caesar Webb
Paul Joseph Grimes	Harold Fairfield Coit Wilcox
Reginald Gordon Harris	James Walter Wilson
Harvey Scott Hincks	Herman Aaron Winkler
Doris Dwinell Aldrich	Mabel Elizabeth Middleton
Ida Elizabeth Arnold	Edna Louise Paine
Esther Barnet	Marion Robins Pfeiffer
Margaret Allyn Carpenter	Rose Presel
Dorcas Anna Davis	May Sperry
Lillian Catherine Dow	Isabel Louise Taylor
Edith Earle	Mary Clarke Tucker
Esther Lucy Greene	Ruth Estella Wells
Marian Naomi Hudson	Anne Terry White
Mabel Constance Kenyon	Caroline Louisa Wright
Marian Edna Knowles	

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Bertil Abraham Johnson	William Chester Malenfant
------------------------	---------------------------

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

George Arthur Dubois	Ralph Lester Robinson
Ernest Clifton Hathaway	Isaac Gallup Smith
Maurice Moskol	Harleigh Van Slyck Tingley
James Russell Murphy	Charles Henry Vehse
Lester Ware Preston. <i>With the class</i>	
<i>of 1917</i>	

DEGREES CONFERRED

145

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Mason Cole Hill

Frederick Neale Tompkins

MASTER OF ARTS

Walter Adler

Walter Vanderbilt Andrews, A.B.

Olive Amelia Beveridge, A.B.

Emma Lillian Black, Ph.B.

John Joseph Conway, Ph.B.

James Lawrence Cummings, A.B.

Anne Marjorie Day, A.B.

Hagop Martin Depoyan, A.B., B.D.

Howard Clinton Farwell, Sc.B.

Raymond Edward Fenner, Ph.B.

Marion Page Harley, A.B.

Willis Warren Harriman, Ph.B.

Mabel Eunice Harrington, A.B.

Reginald Gordon Harris

Emilia Adele Hempel, A.B.

Judith Barber Hopkins, A.B.

Siji Cherung Hung, Ph.B.

Oscar Benjamin King, A.B.

Sze-Chen Liao

Thomas McIntyre, Jr.

John Christiano da Rosa

Merrick Lyon Streeter

Everett Rufus Vaughn, Ph.B.

Helen Barnes Whiting, A.B.

Clinton Burnett Wilbur, A.B.

Earl Franklin Wood, A.B.

Rinyu Yamamoto, A.B.

MASTER OF SCIENCE

Carl Oswald Lathrop, A.B.

Annie Evelyn Rathbun, A.B.

DOCTOR OF PHILOSOPHY

Charles Harlan Abbott, A.M.

THESIS: "Reactions of Land Isopods to Light."

Arthur Earl Barnard, Sc.M.

THESIS: "The Action of Acetic Anhydride on Ortho Diphenyl Propiolic Acid."

Grace Electa Bird, A.M.

THESIS: "The Relation of Focalization and Motivation to Improvement through Practice."

Harold Stephen Bucklin, A.B.

THESIS: "A Survey of Certain Rhode Island State Institutions Dealing with Dependents, Defectives, and Delinquents."

Margaret Brooks Church, A.M.

THESIS: "The Mode of Origin, Development, and Structure of the Bulb of *Cooperia Drummondii*."

Hermione Louise Dealey, A.M.

THESIS: "Student Interests in Relation to Curricula of Women's Colleges."

James Russell Esty, Sc.M.

THESIS: "The Biology of *Bacillus Welchii*."

Albert Clayton Hunter, Sc.M.

THESIS: "A Pink Yeast Causing Spoilage of Oysters."

BROWN UNIVERSITY

Samuel Earl Longwell, A.B.

THESIS: "A Contribution to the Anatomy of the Guinea Pig; The Orbital Nerves and their Variations."

Percy Davol Meader, Sc.M.

THESIS: "Variation in the Diphtheria Group."

Byron Lillibridge West, Sc.M.

THESIS: "The Action of Acetic Anhydride on Alpha Naphthyl Propiolic Acid."

HONORARY DEGREES

MASTER OF ARTS

MARY SEWELL GARDNER

INMAN EDWARD PAGE

WILLIAM ANGELL VIAL

DOCTOR OF DIVINITY

EDWARD HOLYOKE

JOSEPH TAYLOR

DOCTOR OF LETTERS

CHARLES LEMUEL NICHOLS

DOCTOR OF LAWS

ELON ROUSE BROWN

HENRY CABOT LODGE

WILLIAM ALLAN NEILSON

LIST OF STUDENTS

GRADUATES

- Clarence Raymond Adams *Eden Park*
A.B. (*Brown University*) 1918. Mathematics. Enrolled candidate for A.M.
- Dorothy Carter Allan *Newport*
A.B. (*Brown University*) 1918. Education. Registered candidate for A.M.
- Richard Day Allen *Providence*
A.B. (*Brown University*) 1910 ; A.M. 1912. Education. Enrolled candidate for Ph.D.
- Ruth Linda Allen *Apponaug*
A.B. (*Wellesley College*) 1905. English. Registered candidate for A.M.
- Louise André *Blois, France*
A.M. (*Poitiers*) 1915. English. Enrolled candidate for A.M.
- Ida Elizabeth Arnold *Providence*
Ph.B. (*Brown University*) 1918. Education. Registered candidate for A.M.
- Grace Electa Bird *Providence*
Ph.B. (*University of Chicago*) 1897 ; A.M. (*Columbia University*) 1915 ; Ph.D. (*Brown University*) 1918. Education. Special graduate student.
- Harold Blanchard *Pawtucket*
A.B. (*Boston University*). Education. Registered candidate for A.M.
- Zenas Randall Bliss *Edgewood*
Ph.B. (*Brown University*) 1918. Engineering. Enrolled candidate for Sc.M.
- Clarence William Bosworth *Auburn*
A.B. (*Brown University*) 1909 ; A.M. 1910. Education. Registered candidate for Ph.D.
- Francis James Brady *Providence*
A.B. (*Brown University*) 1916. Art, Economics. Enrolled candidate for A.M.
- Joseph Butterworth, Jr. *Fall River, Mass.*
English, Philosophy. Enrolled candidate for A.M.
- Michael Davitt Carroll *Providence*
Sc.B. (*Harvard University*) 1904. Education. Enrolled candidate for A.M.
- Franklin Robert Cawl *Brooklyn, N. Y.*
A.B. (*Columbia University*) 1914 ; A.M. 1917. Education. Registered candidate for Ph.D.
- Herbert Winfield Chappell *Weekapaug*
A.B. (*Brown University*) 1918. Education. Enrolled candidate for A.M.
- Henry Everett Childs *East Providence*
Sc.B. (*University of Rochester*) 1916. Education. Registered candidate for A.M.
- Simon Cohen *Providence*
A.B. (*University of Cincinnati*) 1914. Biblical Literature, Education. Registered candidate for Ph.D.
- Marjorie Weston Cook *Providence*
A.B. (*Mount Holyoke College*) 1911. Biology. Enrolled candidate for Ph.D.
- Earl Thompson Cox *Providence*
Ph.B. (*Brown University*) 1918. Chemistry. Special graduate student.
- Percy Raymond Crosby *Pawtucket*
Sc.B. (*New Hampshire State College*) 1912. Education, Mathematics. Enrolled candidate for A.M.

- Wayne Edward Davis *Rochester, N. H.*
A.B. (*Bates College*) 1912 ; A.M. (*Brown University*) 1913. Education. Registered candidate for Ph.D.
- Chester Miller Downing *Providence*
Ph.B. (*Brown University*) 1918. Education. Registered candidate for A.M.
- George Humer Eckels *Providence*
A.B. (*Pennsylvania College*) 1895 ; A.M. 1897. Education. Registered candidate for Ph.D.
- Marion Jane Emsley *Johnston*
Ph.B. (*Brown University*) 1912. Education, Philosophy. Registered candidate for A.M.
- Myron Whitmarsh Finch *Providence*
Sc.B. (*Rhode Island State College*) 1914. Biology, Chemistry. Enrolled candidate for Sc.M.
- Elsie May Flint *Providence*
A.B. (*Brown University*) 1918. Education. Enrolled candidate for A.M.
- Dorothy Foster *Auburn*
A.B. (*Brown University*) 1918. History. Registered candidate for A.M.
- Margaret Ames Fuller *Providence*
A.B. (*Wellesley College*) 1911. Biology, Chemistry, English. Registered candidate for A.M.
- Steven Gustaf Hägglund *Providence*
A.B. (*Augustana College and Theological Seminary*) 1900 ; B.D. 1904 ; A.M. (*Brown University*) 1915. Biblical Literature, Social Science. Enrolled candidate for Ph.D.
- Albert Joseph Harder *Bristol*
A.B. (*Holy Cross College*) 1915. Education. Registered candidate for A.M.
- Willis Warren Harriman *Whitinsville, Mass.*
Ph.B. (*Brown University*) 1903 ; A.M. 1918. Education. Registered candidate for Ph.D.
- Adelbert Hayes Harrington *Pontiac*
A.B. (*Olivet College*) 1901. Philosophy, Biblical Literature, Social Science. Enrolled candidate for A.M.
- Reginald Gordon Harris *Manchester, N. H.*
Ph.B. (*Brown University*) 1918 ; A.M. 1918. Biology. Registered candidate for Ph.D.
- Harvey Scott Hincks *Providence*
Ph.B. (*Brown University*) 1918. Art, Biblical Literature, Education. Enrolled candidate for A.M.
- William Crosby Hobbs *Eden Park*
A.B. (*Bates College*) 1881. Education. Special graduate student.
- Donald Everett Hosmer *Pawtucket*
A.B. (*Dartmouth College*) 1916. Education. Registered candidate for A.M.
- Siji Cheung Hung *Shanghai, China*
Ph.B. (*Brown University*) 1917 ; A.M. 1918. Social and Political Science, Philosophy. Enrolled candidate for Ph.D.
- Mrs. Margaret Hill Irons *North Scituate*
A.B. (*Wellesley College*) 1884 ; A.M. 1891. Education. Registered candidate for Ph.D.
- John Francis Isaac *Ballston Spa, N. Y.*
Chemistry. Enrolled candidate for A.M.
- Clarence Richard Johnson *East Providence*
A.B. (*Brown University*) 1909. Social Science, Biblical Literature. Enrolled candidate for A.M.
- Hazen Kimball *Providence*
A.B. (*Brown University*) 1895. Education. Special graduate student.

- Marian Edna Knowles *Campello, Mass.*
Ph.B. (*Brown University*) 1918. Botany, Chemistry. Enrolled candidate for A.M.
- Carl Oswald Lathrop *Providence*
A.B. (*Brown University*) 1917; Sc.M. 1918. Biology. Registered candidate for Ph.D.
- Sze Chen Liao *China*
Ph.B. (*Brown University*) 1918; A.M. 1918. Education, Philosophy. Enrolled candidate for Ph.D.
- Edouard Rose Massey *Lyons, France*
(*Geneva School of Theology.*) French, Philosophy. Enrolled candidate for A.M.
- Irving Calvary Mitchell *Valley Falls*
Sc.B. (*Rhode Island State College*). Education. Registered candidate for A.M.
- John Edgar Littleton Moore *North Scituate*
A.B. (*Asbury College*) 1907. Education. Registered candidate for Ph.D.
- Helen Axtell Mowry *Woonsocket*
A.B. (*Brown University*) 1918. Botany, Chemistry. Registered candidate for A.M.
- Helen Frances Ordway *Winchester, Mass.*
A.B. (*Mount Holyoke College*) 1916. Biology, Geology. Enrolled candidate for A.M.
- Grace Cook Parker *Atlantic, Mass.*
A.B. (*Boston University*) 1912. Education, English. Registered candidate for A.M.
- Katharine Elise Prud'hommeaux *Bremen, Germany*
(*Teachers' Academy, Bremen.*) Education. Registered candidate for A.M.
- Mrs. Marie Louise Russell Raps *Providence*
A.B. (*University of Tennessee*). Education. Registered candidate for A.M.
- Dana Rice *Providence*
A.B. (*Brown University*) 1918. Art, Geology. Registered candidate for A.M.
- Constance Brayton Rose *Providence*
A.B. (*Wellesley College*) 1914. Education, English. Enrolled candidate for A.M.
- John Christiano da Rosa *Brava, Portugal*
A.B. (*Brown University*) 1918; A.M. 1918. Biblical Literature, Social Science. Registered candidate for Ph.D.
- Eda May Round *Providence*
Ph.B. (*Brown University*) 1897; A.M. 1899. Geology, Botany, Biology. Enrolled candidate for Ph.D.
- William Walker Russell *East Providence*
Ph.B. (*Brown University*) 1918. Chemistry. Registered candidate for A.M.
- May Sperry *Oak Lawn*
Ph.B. (*Brown University*) 1918. Mathematics. Registered candidate for A.M.
- Nancy Steere *Chepachet*
Ph.B. (*Brown University*) 1915. Education. Registered candidate for A.M.
- Marjorie Williams Stone *Providence*
A.B. (*Wellesley College*) 1918. Botany, Chemistry. Registered candidate for Sc.M.
- Joseph Gardner Tew *Phenix*
Sc.B. (*Rhode Island State College*) 1918. Biology. Registered candidate for D.P.H.
- Oliver Henry Toothaker *Fairhaven, Mass.*
A.B. (*Bates College*) 1898. Education. Registered candidate for A.M.
- Payson Waite Tucker *Eden Park*
Ph.B. (*Brown University*) 1913. Education. Registered candidate for A.M.

Margaret Frances Upton

*Providence*A.B. (*Smith College*) 1912; A.M. (*Brown University*) 1914. Chemistry. Registered candidate for Ph.D.

Henry Weeden Underwood

*Narragansett Pier*Ph.B. (*Brown University*) 1916; Sc.M. 1917. Chemistry, Physics. Enrolled candidate for Ph.D.

William Gould Vinal

*Providence*Sc.B. (*Harvard University*) 1906; A.M. 1907. Biology, Botany. Registered candidate for Ph.D.

Olive Collins White

*Providence*A.B. (*Brown University*) 1918. Education. Registered candidate for A.M.

Alfred Howard Williamson

*Rumford*Ph.B. (*Brown University*) 1912; A.M. 1915. Education, Philosophy. Registered candidate for Ph.D.

Mrs. Irene Hawes Williamson

*Rumford*Ph.B. (*Brown University*) 1912. Education, Philosophy. Enrolled candidate for A.M.

James Walter Wilson

*West Somerville, Mass.*Ph.B. (*Brown University*) 1918. Biology, Geology. Registered candidate for A.M.

UNDERGRADUATES WITH THE DEGREES FOR WHICH THEY ARE REGISTERED

[A. = A.B. P. = Ph.B. S. = Sc.B. E. = B.E. S.A.T.C. = STUDENTS' ARMY TRAINING CORPS. N.U. = NAVAL UNIT. 1 indicates that the student was a member of the University only in the first term; 2 that he is a former student who returned in the second term; 3 that he is a new student who entered in the second term.]

SENIORS : CLASS OF 1919

NAME		RESIDENCE
2. John Hull Almy	P	<i>Edgewood</i>
2. Arthur Elias Axt	P	<i>Newark; N. J.</i>
Morris Bazar	P	<i>Providence</i>
2. William Henry Beattie	P	<i>Watervliet, N. Y.</i>
Thomas Francis Black, Jr.	A	<i>Providence</i>
2. Herman Joseph Borneman	P	<i>Long Island, N. Y.</i>
Allan French Bowen	P	<i>Fall River, Mass.</i>
Earl Hartwell Bowen	P	<i>Fall River, Mass.</i>
Benjamin Williams Brown (S.A.T.C.)	A	<i>Danielson, Ct.</i>
1. Harrison Albert Brown (S.A.T.C.)	S	<i>Providence</i>
Stanley Ward Burlingame	S	<i>Providence</i>
Joseph Butterworth, Jr.	A	<i>Fall River, Mass.</i>
Francesco Cali	P	<i>Providence</i>
Richard Elmer Edwin Campbell	A	<i>Providence</i>

NAME		RESIDENCE
1. Frank Lewis Chesley (S.A.T.C.)	P	<i>Pawtuxet</i>
1. Alton Charles Chick (N.U.)	S	<i>Westbrook, Me.</i>
1. Donald Howland Clauss (N.U.)	P	<i>Providence</i>
Jacob Israel Cohen	P	<i>Providence</i>
2. Joseph Cohen	P	<i>Somerset, Mass</i>
2. Lawrence Mark Corcoran	P	<i>West Springfield, Mass.</i>
2. Matthew Joseph Cummings, Jr.	A	<i>Providence</i>
Ralph Edwin Dexter	A	<i>Providence</i>
2. Arthur Justin Dows	P	<i>Lowell, Mass.</i>
2. James Saville Eastham	A	<i>Methuen, Mass.</i>
2. Frank Edmund Eck	A	<i>Providence</i>
2. Guyton Saxon Eddy	P	<i>Barrington Centre</i>
William Henry Edwards (S.A.T.C.)	A	<i>Providence</i>
Oliver Wendell Robert Erickson (N.U.)	A	<i>Providence</i>
Charles Lawrence Evans	A	<i>Providence</i>
Perry Edson Faunce (S.A.T.C.)	P	<i>Providence</i>
Rudolph John Chauncey Fisher (S.A.T.C.)	A	<i>Providence</i>
2. Robert Nathaniel Foote	S	<i>New York, N. Y.</i>
Sidney Albert Fox (N.U.)	A	<i>Providence</i>
William McLeod Fraser (N.U.)	P	<i>Providence</i>
1. Harold Franklin Gibling (N.U.)	S	<i>Fall River, Mass.</i>
George Harold Gildersleeve (N.U.)	P	<i>Norwich, Ct.</i>
2. Maurice Isaac Green	P	<i>Bath, Me.</i>
2. John William Haley	A	<i>Stonington, Ct.</i>
2. William Horan Higgins	A	<i>Providence</i>
Alexander Tulloch Hindmarsh (N.U.)	P	<i>Providence</i>
1. Charles Henry Huggins, Jr. (S.A.T.C.)	P	<i>Providence</i>
2. Lawrence Francis Hurley	A	<i>Providence</i>
Lawrence William Jordan (S.A.T.C.)	P	<i>White Plains, N. Y.</i>
1. Frederick Roland Kroener (N.U.)	S	<i>Wakefield</i>
1. David Ladd (N.U.)	S	<i>Providence</i>
Edgar Jewett Lanpher (S.A.T.C.)	A	<i>Glen Ridge, N. J.</i>
Robert Augustus Lawder (S.A.T.C.)	P	<i>Central Falls</i>
2. John Richard Leeming, Jr.	P	<i>Fall River, Mass.</i>
2. Howard Ripley McPeck	P	<i>Marion, Mass.</i>
Stanley Hopkins Mason (S.A.T.C.)	P	<i>Providence</i>
William Moss	P	<i>Providence</i>
2. Harold Raymond Moulton	P	<i>Pawtucket</i>
Ralph Henry Mullane (N.U.)	P	<i>Dorchester, Mass.</i>
2. Edwin Michael Murphy	P	<i>Lynn, Mass.</i>
Ernest Eder Nelson (N.U.)	P	<i>Icoryton, Ct.</i>
2. Ralph Hall Nichols	P	<i>Davisville</i>
1. Eugene William O'Brien	S	<i>Riverpoint</i>

NAME		RESIDENCE
James Lindley Palmer (N.U.)	A	<i>Cincinnati, Ohio</i>
2. Gordon Lancaster Parker	P	<i>Providence</i>
2. William Elmer Parmenter	A	<i>Providence</i>
Charles Henry Peckham (S.A.T.C.)	A	<i>Howard</i>
2. James Anthony Peirce	P	<i>Providence</i>
2. Fred Bartlett Perkins	A	<i>Providence</i>
2. Harlow Jerome Peters	P	<i>Jersey City, N. J.</i>
Earle Arthur Phillips (N.U.)	P	<i>Pawtucket</i>
David Fessenden Pierce (N.U.)	P	<i>Somerset, Mass.</i>
Edward Sefton Porter (S.A.T.C.)	A	<i>Manchester, N. H.</i>
1. John Sherman Prigge (S.A.T.C.)	A	<i>Jersey City, N. J.</i>
Marvin Whitman Ray (N.U.)	P	<i>Brookline, Mass.</i>
Waldo Whiting Robbins (N.U.)	P	<i>Hingham, Mass.</i>
Hartley Forest Roberts	A	<i>Mexico, Me.</i>
1. Manuel George Robinson (S.A.T.C.)	S	<i>Central Falls</i>
Ralph Knickerbocker Rogers (N.U.)	P	<i>Troy, N. Y.</i>
William John Ross	A	<i>Providence</i>
Anthony James Russo (S.A.T.C.)	P	<i>Brooklyn, N. Y.</i>
Charles Oswald Ryon (S.A.T.C.)	S	<i>Stonington, Ct.</i>
2. Philip Edwin Scott	P	<i>Providence</i>
2. Henry Raymond Searles	P	<i>Pawtucket</i>
Arthur Godfrey Sellen	P	<i>Warren</i>
Charles Brenden Shaughnessy	A	<i>Uxbridge, Mass.</i>
Howard Franklin Shawcross	P	<i>Greystone</i>
2. Samuel Sanford Sheffield	A	<i>Newport</i>
William Herbert Sheldon, Jr. (S.A.T.C.)	A	<i>Pawtuxet</i>
Wilbert Bancroft Skerrye	A	<i>Templeton, Mass.</i>
Louis Smith (S.A.T.C.)	P	<i>Providence</i>
Samuel Watson Smith, 3d (S.A.T.C.)	P	<i>Cincinnati, Ohio</i>
2. Loue Eugene Stockwell	P	<i>Norwich, Ct.</i>
Charles Arthur Stuart	P	<i>Plattsburg, N. Y.</i>
2. Alfred James Sullivan	P	<i>Fall River, Mass.</i>
2. Daniel Thomas Sullivan	P	<i>West Warren, Mass.</i>
2. Leslie Ray Taber	P	<i>Auburn, N. Y.</i>
Solomon Tannenbaum (S.A.T.C.)	A	<i>Providence</i>
2. Pierre Everett Teets	P	<i>Tuckahoe, N. Y.</i>
Samuel Temkin (S.A.T.C.)	P	<i>Providence</i>
2. Alton Stewart Thoren	P	<i>Edgewood</i>
2. Howard Wilson Tindall	P	<i>Dutch Neck, N. J.</i>
James Johnson Walker (S.A.T.C.)	A	<i>Lakewood</i>
2. Thomas Carr Watson, Jr.	P	<i>Jamestown</i>
Joshua Herbert Weeks (S.A.T.C.)	P	<i>New Bedford, Mass.</i>
George Townsend Welch	A	<i>Providence</i>

JUNIORS : CLASS OF 1920

153

NAME		RESIDENCE
Henry Harold Whitman (S.A.T.C.)	P	Marlboro, Mass.
2. Webb Westcott Wilder	S	Thornton

JUNIORS : CLASS OF 1920

Charles Frederick Abbott (N.U.)	S	Shrewsbury, Mass.
Victor Freeman Adams (S.A.T.C.)	P	Osterville, Mass.
Alexander Addeo (S.A.T.C.)	S	Providence
Frank Alexander Ross Allen (S.A.T.C.)	P	Pawtucket
1. Tracy William Ames (S.A.T.C.)	S	New London, Ct.
Wilbur Reginald Anderson (S.A.T.C.)	P	Meriden, Ct.
Edward Ferdinand Assmus	S	Nutley, N. J.
Donald Miller Aumack (S.A.T.C.)	P	Detroit, Mich.
Henry Congdon Aylsworth (S.A.T.C.)	P	Foster Centre
2. Herbert Marston Bailey, Jr.	A	Hackensack, N. J.
Herbert Boutell Barlow (N.U.)	P	Edgewood
Edmund Francis Beagan (S.A.T.C.)	A	Providence
2. Russell William Besser	A	Gilbertville, Mass.
Le Roy Walton Black (N.U.)	P	Rutherford, N. J.
1. Robert Angell Bogle (S.A.T.C.)	P	Fall River, Mass.
Frank Donald Brigham (S.A.T.C.)	P	Beach Bluff, Mass.
Abraham Lincoln Brisk	P	Gardiner, Me.
1. Harry Turner Broadbent (N.U.)	S	Providence
Wilfred Warner Brouillette (N.U.)	A	Salem, Mass.
Stanton Albert Burdick (S.A.T.C.)	P	Westerly
2. Walter Morrill Burse	A	Pittsfield, Me.
John Robert Calow	A	Fitchburg, Mass.
Harold Aldrich Campbell	A	Phenix
2. Harley Frank Carey	P	Laconia, N. H.
Raymond Eustace Claflin (N.U.)	A	Lyme, N. H.
Ernest Taylor Clough (N.U.)	P	Portland, Me.
Rodney Esten Cook (S.A.T.C.)	P	Woonsocket
George Henry Copeland (S.A.T.C.)	S	New London, Ct.
2. Bruce Noel Coulter	P	Bridgeport, Ct.
James Howard Covell	E	Le Roy, N. Y.
Irving Smith Crompton (S.A.T.C.)	S	Providence
2. William Judson Crouch	P	Louisville, Ky.
Donald Haseltine Curtis (S.A.T.C.)	P	Fairfield, Me.
Paul Whitman Davis (S.A.T.C.)	A	Providence
James Quayle Dealey, Jr. (S.A.T.C.)	A	Providence
1. Joseph Matthew Degnan (N.U.)	A	Providence
Clark Howard Denison	P	Moosup, Ct.
2. William Lewis Dewart, Jr.	P	Sunbury, Pa.

	NAME		RESIDENCE
1.	Robert Kellam Dewey (S.A.T.C.)	S	<i>New London, Ct.</i>
1.	George Rudolph Dinkel (S.A.T.C.)	P	<i>Montclair, N. J.</i>
	Stanley Milburn Dore (S.A.T.C.)	S	<i>Edgewood</i>
	John Dorin (S.A.T.C.)	P	<i>New Haven, Ct.</i>
	Wallace Broga Kelham Dove (N.U.)	P	<i>Providence</i>
	William Grosvenor Ely, Jr. (N.U.)	P	<i>Schenectady, N. Y.</i>
1.	Ralph Christopher Emery (N.U.)	P	<i>Hoboken, N. J.</i>
	Irving Augustine Farrell	A	<i>Central Falls</i>
1.	Maurice Feingold (N.U.)	P	<i>Woonsocket</i>
1.	Ralph Feinstein (S.A.T.C.)	P	<i>Providence</i>
1.	Harold Manchester Fleming (S.A.T.C.)	A	<i>Beverly, Mass.</i>
2.	Marshall Nairne Fulton	P	<i>Keokuk, Iowa</i>
2.	Walter Richmond Gardner	A	<i>Providence</i>
2.	Paul Rupert Gast	P	<i>New Bedford, Mass.</i>
	Seth Brayton Gifford	P	<i>Adamsville</i>
	George Washington Grimm, Jr. (S.A.T.C.)	P	<i>East Orange, N. J.</i>
1.	Dutee Jerald Hall (S.A.T.C.)	A	<i>Westerly</i>
2.	Ronald Prescott Hall	P	<i>North Attleboro, Mass.</i>
	John Walter Harriman	P	<i>Providence</i>
	Samuel Heller	A	<i>Providence</i>
1.	Paul Herriott (S.A.T.C.)	A	<i>Chicago, Ill.</i>
	Allen Douglass Hill (S.A.T.C.)	A	<i>Syracuse, N. Y.</i>
	Seaverns Winthrop Hilton (N.U.)	P	<i>Providence</i>
2.	Harold Gardiner Hood	P	<i>Somerset, Mass.</i>
	Richard Armington Hopkins (S.A.T.C.)	P	<i>Ludlow, Vt.</i>
	Walter Hoving (N.U.)	A	<i>New York, N. Y.</i>
	Lawrence Benjamin Howell	P	<i>Morristown, N. J.</i>
	Raymond Maverich Hunter (N.U.)	P	<i>Des Moines, Iowa</i>
	Donald Rice Hylan (S.A.T.C.)	P	<i>Medfield, Mass.</i>
	Eric Pearson Jackson (S.A.T.C.)	A	<i>Fall River, Mass.</i>
	Ernest Ashley Jenckes (S.A.T.C.)	A	<i>Providence</i>
2.	Joseph Charles Johnston	P	<i>Providence</i>
2.	Louis Edwin Jones	P	<i>Norwood, Ohio</i>
	Elmer Stackhouse King, Jr. (S.A.T.C.)	P	<i>Netcong, N. J.</i>
	Robert Albert Kingsley (S.A.T.C.)	A	<i>South Berwick, Me.</i>
2.	Russell Adrian Lane	P	<i>Baltimore, Md.</i>
	Leo Paul Lanigan (N.U.)	S	<i>Danbury, Ct.</i>
	Charles Hamilton Lawton, Jr. (N.U.)	P	<i>Pawtucket</i>
	Kuo-Hao Lin	P	<i>Chinhai, China</i>
	Robert Bruce Lindsay (N.U.)	A	<i>New Bedford, Mass.</i>
	Harold William Lord (N.U.)	P	<i>Pawtucket</i>
	Albert Edgar Lownes (S.A.T.C.)	P	<i>Providence</i>
	Alan Nicholson McDougall (S.A.T.C.)	P	<i>Yonkers, N. Y.</i>

NAME		RESIDENCE
John Alexander McGhee, Jr. (S.A.T.C.)	A	<i>Providence</i>
Bentley Mackintosh (S.A.T.C.)	P	<i>Sharon, Mass.</i>
Harold Estes Marr (S.A.T.C.)	P	<i>Fall River, Mass.</i>
1. Samuel Alexander Mehlman (N.U.)	P	<i>Newark, N. J.</i>
1. Jacob Henry Miller (S.A.T.C.)	P	<i>Providence</i>
Lorimer Douglas Milton (S.A.T.C.)	P	<i>Washington, D. C.</i>
Walter Vincent Moriarty (N.U.)	P	<i>Providence</i>
1. Martin Moskowitz (N.U.)	P	<i>Newark, N. J.</i>
Leonard Killian Murphy (N.U.)	S	<i>Acushnet, Mass.</i>
Harry Clark North (S.A.T.C.)	P	<i>Plattsburg, N. Y.</i>
2. Frank Irving Noyes	A	<i>Haverhill, Mass.</i>
2. Evaristus Orteig	P	<i>New York, N. Y.</i>
Benton Bradley Orwig (S.A.T.C.)	P	<i>Napoleon, Ohio</i>
Frederick Holroyd Paulson (S.A.T.C.)	S	<i>Thornton</i>
Adolf Sidney Perlow (S.A.T.C.)	P	<i>Providence</i>
Harold Augustus Phelps (S.A.T.C.)	A	<i>Fitchburg, Mass.</i>
2. Charles Reginald Phillips	P	<i>New Haven, Ct.</i>
Louis Arthur Raymond Pieri (N.U.)	P	<i>Franklin, Mass.</i>
George Otto Podrasnik (N.U.)	P	<i>Chicago, Ill.</i>
Richard Valentine Ratigan (S.A.T.C.)	A	<i>Providence</i>
George Henry Rhodes (S.A.T.C.)	P	<i>Providence</i>
Anthony Romano (N.U.)	A	<i>Providence</i>
William Francis Rooney (S.A.T.C.)	S	<i>East Norwich, N. Y.</i>
Richard Herbert Sarle (N.U.)	A	<i>Providence</i>
Fred Emil Schoeneweiss (S.A.T.C.)	A	<i>Poughkeepsie, N. Y.</i>
1. William Schwartz (S.A.T.C.)	P	<i>Brooklyn, N. Y.</i>
1. William Harold Searles (N.U.)	P	<i>Pawtucket</i>
2. Donald Scholefield Shaw	P	<i>New York, N. Y.</i>
William Desmond Shay (N.U.)	A	<i>Fall River, Mass.</i>
Edward Wilson Smith (N.U.)	S	<i>Westerly</i>
Joseph Smith (S.A.T.C.)	A	<i>Providence</i>
Laurence Richards Smith (N.U.)	S	<i>Hartford, Ct.</i>
1. William Simpson Spatcher (S.A.T.C.)	P	<i>Attleboro, Mass.</i>
2. Earl Randolph Stephens	P	<i>Salyersville, Ky.</i>
1. Raymond Somers Stites (S.A.T.C.)	P	<i>Providence</i>
1. Ralph Ellsworth Stoddard (S.A.T.C.)	P	<i>Rockland, Mass.</i>
Edward Bloodgood Stringham, Jr. (S.A.T.C.)	P	<i>Hopewell Junction, N. Y.</i>
Howard Clinton Sweet (S.A.T.C.)	A	<i>Providence</i>
John Baker Tasker, Jr. (S.A.T.C.)	P	<i>Hillsboro, N. H.</i>
Abraham Thomas	P	<i>Providence</i>
Frederic Allen Thompson (N.U.)	P	<i>Pawtucket</i>
Elton Hammond Tucker (S.A.T.C.)	P	<i>Providence</i>
Thomas Francis Vance, Jr. (S.A.T.C.)	P	<i>Pawtucket</i>

BROWN UNIVERSITY

NAME		RESIDENCE
Edward James Walsh, Jr. (S.A.T.C.)	A	<i>Providence</i>
Stanley George Warner	P	<i>Peterboro, N. H.</i>
Byron Adams Waterman (S.A.T.C.)	P	<i>Warren</i>
Richmond Lathrop Watson (N.U.)	P	<i>Auburn, Me.</i>
2. Cecil Alexander Watt	P	<i>Laconia, N. H.</i>
2. Edward Clarence Welch	P	<i>Lynn, Mass.</i>
Chauncey Depew Wentworth (S.A.T.C.)	A	<i>North Baldwin, Me.</i>
Harvey Abbott Whipple	A	<i>Providence</i>
Stanley Patterson Whipple	A	<i>Providence</i>
2. Maynard Pressley White	S	<i>New York, N. Y.</i>
Daniel Everett Whitford (S.A.T.C.)	A	<i>Phenix</i>
George Garland Wilcox (N.U.)	P	<i>Bristol, Ct.</i>
Walter Fish Wolfe (N.U.)	S	<i>Mystic, Ct.</i>
Elmer Stuart Woodward (S.A.T.C.)	P	<i>Rockland, Mass.</i>
2. Lloyd Parker Zellers	P	<i>Worcester, Mass.</i>
Frank Jacob Zitserman (S.A.T.C.)	A	<i>Providence</i>

SOPHOMORES: CLASS OF 1921

Forbes Sampson Adam (N.U.)	P	<i>Canaan, Ct.</i>
Joseph Adam (S.A.T.C.)	P	<i>Framingham, Mass.</i>
George Henry Adams (S.A.T.C.)	P	<i>Lakewood, N. J.</i>
2. Granville Burns Affleck	P	<i>Yonkers, N. Y.</i>
Robert Freeman Allison (N.U.)	P	<i>St. Johnsbury, Vt.</i>
Everett Munyan Arnold (S.A.T.C.)	P	<i>East Providence</i>
George Reginald Ashbey (S.A.T.C.)	A	<i>Norwich, Ct.</i>
1. Leopold Jacob Balatow (S.A.T.C.)	A	<i>Providence</i>
Robert Reed Baldrige (S.A.T.C.)	A	<i>McKeesport, Pa.</i>
John Gardner Beagan	P	<i>Providence</i>
Roland Dewey Beck (S.A.T.C.)	A	<i>Salem, N. J.</i>
George Bichwit	P	<i>Brooklyn, N. Y.</i>
Mars Paul Bishop (S.A.T.C.)	P	<i>Chicago, Ill.</i>
Carl August Bjorklund (S.A.T.C.)	S	<i>Hingham, Mass.</i>
Stanley Thayer Black (S.A.T.C.)	S	<i>Pawtucket</i>
2. Francis Elmer Booth	P	<i>Cornwall, N. Y.</i>
Philip Pearce Borden (N.U.)	P	<i>Portsmouth, N. H.</i>
1. Paul Eddy Boughton (S.A.T.C.)	P	<i>Poughkeepsie, N. Y.</i>
Harry Nickles Boreau (N.U.)	S	<i>Moorestown, N. J.</i>
Howard George Brewer (N.U.)	S	<i>Cromwell, Ct.</i>
William Thomas Brightman, Jr. (S.A.T.C.)	S	<i>Dighton, Mass.</i>
Earle Milton Brown (S.A.T.C.)	P	<i>Valley Falls</i>
1. Frederick Gregory Brown (S.A.T.C.)	A	<i>Newburgh, N. Y.</i>
William Robert Buerhaus (S.A.T.C.)	A	<i>Edgewood</i>

SOPHOMORES : CLASS OF 1921

157

NAME		RESIDENCE
Thomas Francis Burke (S.A.T.C.)	P	<i>Pawtucket</i>
Gordon Franklin Burr (S.A.T.C.)	A	<i>Providence</i>
Theodore Huggins Bush (S.A.T.C.)	P	<i>Malden, Mass.</i>
Floyd Warren Buswell (S.A.T.C.)	A	<i>Providence</i>
Lyle Caldwell (N.U.)	S	<i>Johnston</i>
Michael Cantor	S	<i>Holyoke, Mass.</i>
Arthur Silvio Caputi (N.U.)	S	<i>Providence</i>
Louis Edwin Card (N.U.)	A	<i>Narragansett Pier</i>
2. John Carder Champlin	P	<i>Block Island</i>
1. John William Chapman (S.A.T.C.)	P	<i>East Cumberland, W. Va.</i>
Chester Wellington Chinn (S.A.T.C.)	P	<i>Riverside</i>
Sidney Stuart Cline (S.A.T.C.)	S	<i>Amenia, N. Y.</i>
2. Edgar George Cochrane	P	<i>Providence</i>
Charles Leo Cohen (S.A.T.C.)	P	<i>Providence</i>
Morris Louis Cohen (S.A.T.C.)	A	<i>Providence</i>
Allan Bretterg Colby (S.A.T.C.)	S	<i>Fair Haven, N. J.</i>
Frederick Seth Collins	A	<i>Great Barrington, Mass.</i>
1. Clair McKinley Conzelman (N.U.)	A	<i>Bristol, Ct.</i>
Richard Henry Coolidge (S.A.T.C.)	S	<i>Hartford, Ct.</i>
1. Horace Cushman Crandall (N.U.)	S	<i>Malden, Mass.</i>
Walter Freeman Crawford (S.A.T.C.)	P	<i>Pawtucket</i>
2. William Henry Crawford	P	<i>Bridgeport, Ct.</i>
3. Robert Bindloss Cruise	S	<i>New London, Ct.</i>
John Joseph Anthony Csepely	S	<i>Providence</i>
Christie Elston Cuddeback (S.A.T.C.)	P	<i>New York, N. Y.</i>
1. Benjamin Rodman Curtis (S.A.T.C.)	P	<i>Peace Dale</i>
Charles Emerson Davis	S	<i>Edgewood</i>
Samuel La Due Davis	P	<i>Poughkeepsie, N. Y.</i>
Ernest Dean Dawson (S.A.T.C.)	P	<i>Providence</i>
Michael De Filippis	P	<i>Milford, Mass.</i>
1. Edward James Dempsey, Jr. (S.A.T.C.)	P	<i>Cincinnati, Ohio</i>
Vladimir Triphon Dimitroff	P	<i>North Scituate</i>
Harold Alpheus Dodge (S.A.T.C.)	S	<i>Westbrook, Me.</i>
John Robert Dorer (N.U.)	S	<i>Irvington, N. J.</i>
2. Carlton Le Roy Dunham	S	<i>Plainfield, N. J.</i>
2. Harold Gibbs Eastman	P	<i>Hartford, Ct.</i>
Charles Brayton Eddy (S.A.T.C.)	P	<i>Providence</i>
2. Nathan Willis Edson, 2d	A	<i>Lynn, Mass.</i>
Lloyd Clute Ely (S.A.T.C.)	P	<i>Schenectady, N. Y.</i>
3. George Paul Farrell	A	<i>Pawtucket</i>
Harold Adam Faulkner (S.A.T.C.)	P	<i>East Providence</i>
Wayne Moody Faunce (S.A.T.C.)	S	<i>Providence</i>
Charles John Fish (N.U.)	P	<i>South Swansea, Mass.</i>

BROWN UNIVERSITY

NAME		RESIDENCE
1. Michael Anthony Fitzpatrick (N.U.)	S	<i>Providence</i>
1. Lawrence Rogers Foote (S.A.T.C.)	P	<i>Pawtucket</i>
Harry Alexander Forman (S.A.T.C.)	S	<i>Attleboro, Mass.</i>
2. Stuart Forstall	P	<i>Montclair, N. J.</i>
1. Warren Friedman	A	<i>Providence</i>
Henry Ezra Gallup (S.A.T.C.)	P	<i>Danielson, Ct.</i>
1. George Gordon Gifford, Jr. (S.A.T.C.)	P	<i>West Tisbury, Mass.</i>
Paul Gipfel (S.A.T.C.)	A	<i>Newark, N. J.</i>
Arcadia Giura	P	<i>New Bedford, Mass.</i>
Leon Goldberg	A	<i>Providence</i>
Raymond Frank Goodman (S.A.T.C.)	A	<i>Providence</i>
Frank Oswald Green (S.A.T.C.)	A	<i>Pawtucket</i>
2. Ray Woodville Greene	P	<i>Worcester, Mass.</i>
Russell Harris Greene (N.U.)	P	<i>Barrington</i>
2. Harold Lee Grindle	P	<i>Arlington, N. Y.</i>
2. Delphis Victor Guillemette	S	<i>Pawtucket</i>
Thomas Corcoran Gunning	A	<i>Fall River, Mass.</i>
Abram Evan Gwynne (S.A.T.C.)	P	<i>New York, N. Y.</i>
William Worth Hall (S.A.T.C.)	P	<i>Providence</i>
Herbert Leonard Hambleton (N.U.)	P	<i>Goffstown, N. H.</i>
David Engel Hischer (S.A.T.C.)	P	<i>Providence</i>
Frederick Weston Hoffman	S	<i>Pawtucket</i>
Frank Joseph Honan (S.A.T.C.)	P	<i>Providence</i>
1. Everett Van Ransalaer Hood (S.A.T.C.)	P	<i>Providence</i>
1. Stephen Worcester Hopkins (N.U.)	P	<i>Lynn, Mass.</i>
Frederick Anthony Huggins (S.A.T.C.)	P	<i>Providence</i>
1. William Roland Irving (S.A.T.C.)	S	<i>New Haven, Ct.</i>
1. Meyer Jacofsky	P	<i>Brooklyn, N. Y.</i>
Roger Peirce Jenks (N.U.)	P	<i>Middleboro, Mass.</i>
Russell Phillips Jones (N.U.)	A	<i>Edgewood</i>
Telford Roxburgh Jones (N.U.)	P	<i>Lynn, Mass.</i>
Reginald Stevens Kimball (S.A.T.C.)	A	<i>Newport</i>
Ralph Chase Knight (S.A.T.C.)	S	<i>Newburyport, Mass.</i>
1. Ralph Hammond Koelb (N.U.)	P	<i>Stonington, Ct.</i>
Edward Milton Kolman	P	<i>Providence</i>
Herman Albert Lawson	P	<i>Newport</i>
Walter Berger Leonard (N.U.)	P	<i>Providence</i>
Henry Newman Lonergan (S.A.T.C.)	P	<i>Pawtucket</i>
Royal Bertrand Lord (N.U.)	S	<i>Pawtucket</i>
Fred Alton Lougee (S.A.T.C.)	S	<i>St. Johnsbury, Vt.</i>
Charles Norman Lovenberg (S.A.T.C.)	P	<i>Providence</i>
Benjamin William McKendall (S.A.T.C.)	P	<i>Providence</i>
Robert Charles McKenney (S.A.T.C.)	P	<i>Trenton, N. J.</i>

SOPHOMORES: CLASS OF 1921

159

NAME		RESIDENCE
George Kenneth Macdonald (S.A.T.C.)	P	<i>East Providence</i>
Ernest Stuart Macmillan (S.A.T.C.)	P	<i>Pawtucket</i>
George Peabody Macready, Jr. (S.A.T.C.)	A	<i>Providence</i>
Harold Einar Magnuson (N.U.)	P	<i>Pontiac</i>
Joseph Alfred Makanna (S.A.T.C.)	P	<i>Bangor, Me.</i>
Herbert Harold Marks (S.A.T.C.)	A	<i>Providence</i>
Vincent Millard Meserve (N.U.)	S	<i>Cranston</i>
1. Max Meyer (S.A.T.C.)	A	<i>Brooklyn, N. Y.</i>
Coe Stanley Mills (S.A.T.C.)	S	<i>Sussex, N. J.</i>
Harold Chester Mills (S.A.T.C.)	P	<i>Pawtucket</i>
Elbridge Alden Minard (S.A.T.C.)	A	<i>Dorchester, Mass.</i>
1. Byron Ellsworth Mitchell (S.A.T.C.)	P	<i>Providence</i>
1. Alfred Mochau (S.A.T.C.)	A	<i>Burnside, Ct.</i>
Roger Ellsworth Moore (S.A.T.C.)	P	<i>Providence</i>
John Joseph Muccio (S.A.T.C.)	P	<i>Lymanville</i>
Roger Waldemar Nelson (S.A.T.C.)	P	<i>Quincy, Mass.</i>
2. Joel Martin Nichols, Jr.	P	<i>Attleboro, Mass.</i>
Mark Alvin Nickerson (N.U.)	S	<i>Pawtucket</i>
Henry William Edgar Noll (S.A.T.C.)	A	<i>Providence</i>
Herman Lloyd Noyes (N.U.)	A	<i>Marlboro, Mass.</i>
1. Robert Gale Noyes (S.A.T.C.)	A	<i>Norwich, Ct.</i>
3. Edward Gerard O'Connor	A	<i>Providence</i>
Olof Gustaf Oden (S.A.T.C.)	P	<i>Providence</i>
Edward Standish Palmer (S.A.T.C.)	P	<i>Providence</i>
Walter Nelson Palmquist	S	<i>Providence</i>
1. Calvin Goodwin Parks (S.A.T.C.)	P	<i>Suffield, Ct.</i>
Henry Wilfred Peterson (S.A.T.C.)	P	<i>Quincy, Mass.</i>
Edward Judson Phelps	P	<i>Rockland, Mass.</i>
Maurice Mitchell Pike (S.A.T.C.)	A	<i>Providence</i>
Daniel Rogers Pinkham (S.A.T.C.)	P	<i>Lynn, Mass.</i>
George William Potter (S.A.T.C.)	P	<i>Fall River, Mass.</i>
Harold Lloyd Pulver (S.A.T.C.)	P	<i>Providence</i>
Gordon Wolcott Roaf (N.U.)	S	<i>Newburyport, Mass.</i>
William Bowman Robinson (S.A.T.C.)	A	<i>Providence</i>
Milton Harold Rusby (S.A.T.C.)	P	<i>Fall River, Mass.</i>
Louis Salk (S.A.T.C.)	S	<i>Providence</i>
Jonas Sallet (N.U.)	P	<i>Attleboro, Mass.</i>
Seneca Gadsden Samson (S.A.T.C.)	P	<i>New York, N. Y.</i>
2. Ernest Frank Santangini	S	<i>Providence</i>
Lloyd Alan Bernard Sheeran (S.A.T.C.)	S	<i>Providence</i>
Samuel Shefelman (S.A.T.C.)	P	<i>Brooklyn, N. Y.</i>
Harold Lincoln Sheldon	S	<i>Phenix</i>
Abraham Israel Shulman	S	<i>Providence</i>

BROWN UNIVERSITY

NAME		RESIDENCE
1. Lawrence Wilder Simonds (S.A.T.C.)	P	<i>Wellesley Hills, Mass.</i>
Harold Stanton Smith (S.A.T.C.)	P	<i>Needham, Mass.</i>
Norman Britton Sowell (S.A.T.C.)	P	<i>Moorestown, N. J.</i>
Ralph De Lille Standish (S.A.T.C.)	P	<i>Hanover, Ct.</i>
Howard Bucknell Stearns (N.U.)	A	<i>Providence</i>
Preston Tapley Stephenson (N.U.)	P	<i>Lynn, Mass.</i>
John Randolph Stevens (S.A.T.C.)	P	<i>Providence</i>
Henry Newell Sunderland (S.A.T.C.)	P	<i>Fall River, Mass.</i>
Everett Leprilete Sweet (N.U.)	P	<i>Providence</i>
1. Harold Edward Switzgable (S.A.T.C.)	P	<i>Elizabeth, N. J.</i>
Reginald Gilchrist Sykes (S.A.T.C.)	P	<i>Plainfield, N. J.</i>
2. John Chase Talbot, Jr.	P	<i>New York, N. Y.</i>
Edwin Lewis Thornton (S.A.T.C.)	P	<i>Pawtucket</i>
Harold Lauren Tinker (S.A.T.C.)	A	<i>Nashua, N. H.</i>
William Anthony Towle, Jr. (S.A.T.C.)	S	<i>Newburyport, Mass.</i>
Henry Turoff (S.A.T.C.)	S	<i>Attleboro, Mass.</i>
1. Antonio Peter Vadeboncœur (S.A.T.C.)	A	<i>Woonsocket</i>
John Nicholas Walsh (S.A.T.C.)	P	<i>Providence</i>
Herbert Alexander West (S.A.T.C.)	P	<i>Hopkinton, Mass.</i>
James Lucas Wheaton, Jr.	S	<i>Pawtucket</i>
John Josiah White (S.A.T.C.)	P	<i>Atlantic City, N. J.</i>
Eske Harry Windsberg (S.A.T.C.)	P	<i>New Bedford, Mass.</i>
Knowlton Mead Woodin (S.A.T.C.)	P	<i>Auburn, Me.</i>
Elmer Parker Wright (S.A.T.C.)	P	<i>Auburn</i>
Harold Ballard Yeaton (S.A.T.C.)	P	<i>Darien, Ct.</i>
Howell Thomas Young	A	<i>Providence</i>
1. William Zimmerman (N.U.)	P	<i>New York, N. Y.</i>
Peter Paul Zubrisky (N.U.)	P	<i>Providence</i>

FRESHMEN: CLASS OF 1922

Francis Burke Ahern (N.U.)	P	<i>Providence</i>
Richard Warren Allen (S.A.T.C.)	S	<i>Wickford</i>
Robert Alden Appleton (N.U.)	P	<i>Pawtucket</i>
Ernest Ludlow Bainton	S	<i>Providence</i>
Warren Edward Baker (S.A.T.C.)	A	<i>Providence</i>
1. Leslie Barton Ballou (S.A.T.C.)	P	<i>Providence</i>
Theodore Ockington Barber (S.A.T.C.)	P	<i>Auburn</i>
1. Milton Marcus Bates (S.A.T.C.)	A	<i>Lynn, Mass.</i>
Fred Baurenfeind (S.A.T.C.)	S	<i>Long Island, N. Y.</i>
1. William Church Bawden	P	<i>Perth Amboy, N. J.</i>
Joseph Edward Beagan	P	<i>Providence</i>
1. Ronald Saunders Belcher (N.U.)	A	<i>Lakewood</i>

FRESHMEN: CLASS OF 1922

161

NAME		RESIDENCE
1. Earl Winchester Belknap (S.A.T.C.)	P	<i>Sterling, Ct.</i>
1. Hiram Morrison Benedict (S.A.T.C.)	S	<i>White Plains, N. Y.</i>
Walter Putnam Berryman	P	<i>Westbrook, Me.</i>
Francis Crane Bidwell (N.U.)	P	<i>Norwich, Ct.</i>
Arthur Edwin Bjorklund (S.A.T.C.)	P	<i>Hingham, Mass.</i>
William Brayton Irving Blake (S.A.T.C.)	P	<i>Wollaston, Mass.</i>
James Robert Bland (S.A.T.C.)	S	<i>Brooklyn, N. Y.</i>
3. Paul Bernard Blocher, Jr.	P	<i>Jersey City, N. J.</i>
Israel Bloom (S.A.T.C.)	P	<i>Providence</i>
Leo Edward Bonoff (S.A.T.C.)	P	<i>Madison, Ct.</i>
1. Morton Borod (S.A.T.C.)	A	<i>Providence</i>
1. Donald Curtis Bowersock (S.A.T.C.)	S	<i>Riverside</i>
Douglas Pierson Boyd (N.U.)	A	<i>Lee, Mass.</i>
Leslie Elston Brace (S.A.T.C.)	S	<i>Bloomsburg, Pa.</i>
Frederick William Brack	S	<i>South Norwalk, Ct.</i>
William Henry Bromage (S.A.T.C.)	P	<i>Thompsonville, Ct.</i>
1. Gordon Gerard Brown (N.U.)	P	<i>Mount Vernon, N. Y.</i>
Kendrick Benjamin Brown (N.U.)	P	<i>Naugatuck, Ct.</i>
Philip Meader Brown	A	<i>Providence</i>
Roland Daniel Brown (S.A.T.C.)	S	<i>Colchester, Ct.</i>
Ralph Sawyer Brown (S.A.T.C.)	P	<i>North Scituate, Mass.</i>
1. Joseph Plattes Buckingham (N.U.)	S	<i>New Durham, N. H.</i>
William Linton Bulkeley	P	<i>Danbury, Ct.</i>
Edward Albert Bullock (S.A.T.C.)	A	<i>Central Falls</i>
1. Lawrence James Burby (N.U.)	P	<i>Plainfield, Ct.</i>
Robert Joseph Burgh (S.A.T.C.)	A	<i>Westbrook, Me.</i>
Charles Harrington Cahill (S.A.T.C.)	S	<i>Fall River, Mass.</i>
James Harold Campbell (S.A.T.C.)	A	<i>Youngstown, Ohio</i>
Martin Campbell (N.U.)	S	<i>Newark, N. J.</i>
Marshall Hopewell Cannell (N.U.)	A	<i>Providence</i>
1. Robert Casner (N.U.)	P	<i>New York, N. Y.</i>
Herbert Alton Chaffee (S.A.T.C.)	P	<i>Seekonk, Mass.</i>
Paul Maynard Chalmers	A	<i>Lansdowne, Pa.</i>
1. Warren Temple Chandler (N.U.)	P	<i>St. Louis, Mo.</i>
Harold Edwin Chapman (S.A.T.C.)	P	<i>Providence</i>
Lawrence Ellery Chapman (S.A.T.C.)	P	<i>Providence</i>
John Alden Chesebro (S.A.T.C.)	A	<i>Providence</i>
Louis Spaulding Chick (S.A.T.C.)	P	<i>Boston, Mass.</i>
1. Herbert Joseph Collonan (N.U.)	P	<i>Moosup, Ct.</i>
3. Stuart Pullman West Cooke	P	<i>Providence</i>
Ralph Warren Copeland (S.A.T.C.)	A	<i>Campello, Mass.</i>
Thomas Gardiner Corcoran	A	<i>Pawtucket</i>
1. William Bradley Crampton (S.A.T.C.)	A	<i>Madison, Ct.</i>

BROWN UNIVERSITY

NAME		RESIDENCE
1. Morrill Joseph Crane (S.A.T.C.)	P	Waterbury, Vt.
3. Thomas Coffin Crosby	P	Duluth, Minn.
Alfred James Curry (N.U.)	S	Providence
3. Walter Machray Daniels	P	Providence
George Dawson, Jr. (S.A.T.C.)	S	Providence
Edward William Day	P	Meshanticut
Lawrence Strout Day	P	Melrose, Mass.
Harold Eugene Deady (S.A.T.C.)	S	Providence
Cornelius Robinson de Goey	P	Providence
1. Joseph Cornelius Derochie (S.A.T.C.)	P	Hoboken, N. J.
1. Joseph Eudore Desrosier (S.A.T.C.)	P	Southbridge, Mass.
Louis Leo Destremps (S.A.T.C.)	P	New Bedford, Mass.
Bertram Emery Deware (S.A.T.C.)	S	Gilford, N. H.
Julius Frank Dezso	P	Bridgeport, Ct.
John Bowman Dick	P	Pawtucket
Theodore August Distler (N.U.)	P	Brooklyn, N. Y.
Charles George Doll (N.U.)	S	Providence
Thomas Walton Doyle	P	Providence
Arthur Chester Durfee (S.A.T.C.)	P	Fall River, Mass.
Clarence Manton Eddy	A	Providence
Allen Ashbey Edgcomb	A	East Providence
James Grosvenor Edmonds	A	Pittsburgh, Pa.
Harold Lamprey Ellsworth (S.A.T.C.)	P	Edgewood
1. Lawrence Elmendorf (N.U.)	P	Lakewood, N. J.
Carroll Jacob Enemark (N.U.)	P	Portland, Me.
Franklin Charles Eteson (S.A.T.C.)	P	Fitchburg, Mass.
3. Allan Aloysius Farrell	P	Providence
Raymond Joseph Farrell (S.A.T.C.)	P	Central Falls
John Eric Fawcett (N.U.)	P	Youngstown, Ohio
Arthur Henry Feiner	A	Providence
Abraham Feldman (S.A.T.C.)	P	Providence
David Maxwell Feldman	A	Fall River, Mass.
Lynn Belcher Fellows	S	Fall River, Mass.
Jeremiah Sweetser Ferguson, Jr.	A	New York, N. Y.
1. Lloyd Herbert Fisher (N.U.)	S	Providence
Walton Clark Forstall (N.U.)	P	Montclair, N. J.
3. Roland Forsyth	S	Buffalo, N. Y.
James Gordon French (S.A.T.C.)	P	Providence
3. James John Furlong	P	Providence
Alvin Almy Gaffney (S.A.T.C.)	A	Fall River, Mass.
Lawrence Outhit Gates	P	Boston, Mass.
Hugh Geddes, Jr. (S.A.T.C.)	S	Attleboro, Mass.
Robert Gerstenlauer	P	Providence

FRESHMEN : CLASS OF 1922

163

NAME		RESIDENCE
Bruce Stuart Gilchrist (S.A.T.C.)	P	<i>Lynn, Mass.</i>
Milton Hugh Glover (S.A.T.C.)	P	<i>Providence</i>
John Bartcher Goetz (S.A.T.C.)	P	<i>New York, N. Y.</i>
Leslie Bowen Goff (N.U.)	S	<i>Rehoboth, Mass.</i>
Benjamin Goldberg (S.A.T.C.)	P	<i>Augusta, Me.</i>
Adolph Harry Goldwater	A	<i>Danielson, Ct.</i>
Arthur Nelson Grant (S.A.T.C.)	P	<i>Oxford, Pa.</i>
William Pike Graves (N.U.)	S	<i>Peabody, Mass.</i>
Clarence Sperry Gray (N.U.)	S	<i>Waterford, Ct.</i>
Avon Douglas Green (S.A.T.C.)	S	<i>Lynn, Mass.</i>
Earl Pillsbury Greene (S.A.T.C.)	P	<i>Attleboro, Mass.</i>
Richard Deming Greene (N.U.)	P	<i>Providence</i>
William Chace Greene, Jr.	P	<i>Providence</i>
William Bates Greenough, Jr. (N.U.)	S	<i>Providence</i>
1. Eleodore Joseph Grenier (S.A.T.C.)	P	<i>Moosup, Ct.</i>
Herbert Reginald Grimshaw (S.A.T.C.)	S	<i>Rutherford, N. J.</i>
1. Joseph Grossman (S.A.T.C.)	S	<i>Asbury Park, N. J.</i>
John Thomas Hackett (S.A.T.C.)	P	<i>Providence</i>
1. Robin Halpert (S.A.T.C.)	S	<i>Central Falls</i>
1. Herant John Hammalian (S.A.T.C.)	S	<i>Hackensack, N. J.</i>
Edgar Hayes Hammond, Jr. (N.U.)	P	<i>Providence</i>
Benjamin Pearce Harris, Jr. (N.U.)	P	<i>Providence</i>
Byron Macdonald Hatfield (N.U.)	S	<i>Deep River, Ct.</i>
Victor Andrew Hedberg, Jr. (S.A.T.C.)	S	<i>Waterbury, Ct.</i>
Raymond Oscar Hennigar (N.U.)	S	<i>Portland, Me.</i>
Walter Hills Hibbard	P	<i>Manchester, Ct.</i>
Donald Ives Higley (S.A.T.C.)	P	<i>Branford, Ct.</i>
Walter Stanley Holt (S.A.T.C.)	P	<i>Providence</i>
Charles Hopkins	A	<i>Chepachet</i>
Amnon Hyman Horvitz	P	<i>Providence</i>
Nelson Cottrell Hoxsie, Jr.	P	<i>Gilbertville, Mass.</i>
1. Edward Ainslee Hummel (S.A.T.C.)	P	<i>Woonsocket</i>
3. Hubert Banks Huntley	A	<i>Taunton, Mass.</i>
Harrison Barrows Huntoon, Jr. (S.A.T.C.)	P	<i>Providence</i>
Ernest Icaza (S.A.T.C.)	P	<i>Panama City, Panama</i>
1. William Harlow Irving (S.A.T.C.)	P	<i>Pottersville, Mass.</i>
3. Henry Isé	S	<i>Providence</i>
Samuel Isserlis	S	<i>Fall River, Mass.</i>
1. Willard Brownell Jewell (N.U.)	P	<i>Little Compton</i>
Walter Hicks Jillson (S.A.T.C.)	S	<i>Turner's Falls, Mass.</i>
1. Charles Roger Johnson (N.U.)	P	<i>Lynn, Mass.</i>
Howard Fessenden Johnson (S.A.T.C.)	S	<i>Providence</i>
George Colgan Johnstone (N.U.)	P	<i>New York, N. Y.</i>

BROWN UNIVERSITY

NAME		RESIDENCE
Robert Vechten Jones (S.A.T.C.)	S	Mount Vernon, N. Y.
Francis Joseph Jordan (S.A.T.C.)	S	Yonkers, N. Y.
Harry Edmund Kent	P	Providence
Frank Edward Killian	A	Providence
1. Mortimer Jacob Klingon	P	Colchester, Ct.
Irving Robinson Knapp (S.A.T.C.)	S	Seekonk, Mass.
1. Harold Kolbert (N.U.)	P	New York, N. Y.
Hyman Mortimor Kravetsky (S.A.T.C.)	S	Colchester, Ct.
George Lapchiangian (S.A.T.C.)	P	Pawtucket
Lawrence Solon Larry (S.A.T.C.)	P	Washington, D. C.
Harold Knut Larson (N.U.)	P	Pawtucket
3. William Andros Lester, Jr.	P	Cranston
1. Albert Chester Lewis (S.A.T.C.)	P	Attleboro, Mass.
Bertrand Mulloy Lewis (S.A.T.C.)	P	Waterbury, Ct.
Floyd Wellington Libby	P	Scarboro, Me.
Scott Dickson Libby	P	South Hamilton, Mass.
Norman Dwight Linley (S.A.T.C.)	S	Pottersville, Mass.
Frank Browning Littlefield (S.A.T.C.)	P	Natick
Richard Webster Littlefield (S.A.T.C.)	P	Natick
Clifford Eugene Loomis (S.A.T.C.)	S	Waterbury, Ct.
Richard Eldredge Lyman, Jr. (N.U.)	P	Providence
Everett Bernard McAlevy (S.A.T.C.)	S	Pawtucket
Lloyd Pirce McAllister (S.A.T.C.)	P	Media, Pa.
Barnaby McAuslan	A	Providence
1. Harold Ross MacCabe (N.U.)	P	East Greenwich
Earl Stanley McColey (S.A.T.C.)	P	Lawrence, Mass.
Ernest Winfred McCormick (S.A.T.C.)	P	South Manchester, Ct.
John Harrison McCraw (N.U.)	S	New London, Ct.
Bruce Hudson McCurdy (N.U.)	P	Providence
Norman Everett McKay	P	Auburn
Henry Mulholland McKelvie	S	Fall River, Mass.
3. Angus Bain McLean	P	Cambridge, Mass.
1. John Lynn McManus (S.A.T.C.)	A	Hackensack, N. J.
Robert Beede Macdougall (N.U.)	A	Wellesley, Mass.
Joseph Wilkes Mackenzie	S	Trenton, N. J.
3. Henry Madowsky	P	Fall River, Mass.
Harold Bassett Mallory (S.A.T.C.)	P	West Springfield, Pa.
Paul Manchester (N.U.)	S	Providence
Charles Edwin Mangan (S.A.T.C.)	P	Pawtucket
William Arthur Marks	P	Providence
Joseph Marto (S.A.T.C.)	S	Boston, Mass.
Francis Paul Massaniso (S.A.T.C.)	A	Providence
Hyman Samuel Mayerson (S.A.T.C.)	A	Woonsocket

FRESHMEN: CLASS OF 1922

165

NAME		RESIDENCE
Arthur Francis Merewether	P	<i>East Providence</i>
Gilbert Follansbee Merrill (S.A.T.C.)	P	<i>Malden, Mass.</i>
Arthur Edward Miller (S.A.T.C.)	A	<i>Narragansett Pier</i>
Jacob Harold Mogelever	P	<i>Pawtucket</i>
Harold Nicholas Molter (S.A.T.C.)	P	<i>Providence</i>
Arthur Blair Moody, Jr.	A	<i>Providence</i>
3. Richard Henry Morrissey	P	<i>Providence</i>
Robert William Moxham (S.A.T.C.)	P	<i>Rutherford, N. J.</i>
1. Albert Edgerton Mulliken (N.U.)	P	<i>Pelham, N. J.</i>
3. Godfrey Nichols Nelson, Jr.	P	<i>Brooklyn, N. Y.</i>
Chapin Slater Newhard (N.U.)	S	<i>St. Louis, Mo.</i>
Oliver Newman (S.A.T.C.)	S	<i>East Wilton, Me.</i>
Kenneth Henry Nichols Newton (N.U.)	A	<i>Providence</i>
1. Edmund Matthew Novak (N.U.)	S	<i>Sterling, Ct.</i>
1. Clair Milton Nussbaum (S.A.T.C.)	P	<i>Lehighton, Pa.</i>
Albert Hadfield Nuttall (S.A.T.C.)	P	<i>Providence</i>
1. Leo Joseph O'Donnell	P	<i>Woonsocket</i>
Winfield Eugene Ohlson (S.A.T.C.)	P	<i>Worcester, Mass.</i>
Bradford Fletcher Oxnard	A	<i>Rehoboth, Mass.</i>
1. Harry Edward Papin, Jr. (S.A.T.C.)	P	<i>St. Louis, Mo.</i>
David Whyte Irwin Patterson, Jr. (N.U.)	P	<i>Newfield, Me.</i>
William Paxton (S.A.T.C.)	P	<i>Chicago, Ill.</i>
Joseph Eliot Peckham (S.A.T.C.)	P	<i>West Medford, Mass.</i>
3. Eugene Franklin Perry, Jr.	S	<i>Nyack, N. Y.</i>
Arthur John Phelan (S.A.T.C.)	P	<i>Lynn, Mass.</i>
George Dwight Phillips (S.A.T.C.)	P	<i>Canterbury, Ct.</i>
John Hasselgren Pierce (S.A.T.C.)	S	<i>Somerset, Mass.</i>
Aurelius Dewey Pinckney (S.A.T.C.)	A	<i>Augusta, Ga.</i>
Charles Hacker Pinkham (S.A.T.C.)	A	<i>Lynn, Mass.</i>
1. David Pollock (S.A.T.C.)	P	<i>Providence</i>
1. Ralph Orville Porter (S.A.T.C.)	A	<i>Boston, Mass.</i>
1. Harry Howard Potter (N.U.)	P	<i>Moosup, Ct.</i>
1. Alfred Hamilton Pratt (S.A.T.C.)	P	<i>Plainfield, Ct.</i>
Horace Boss Pray	P	<i>Pawtucket</i>
1. Julius Caesar Prinz (N.U.)	S	<i>Newport</i>
1. Frank Averill Quintard (S.A.T.C.)	P	<i>Stamford, Ct.</i>
1. David Elroy Racine (S.A.T.C.)	P	<i>Bristol, Ct.</i>
Thomas Gideon Reid (N.U.)	S	<i>Peabody, Mass.</i>
Samuel Watson Remington, Jr. (S.A.T.C.)	P	<i>Providence</i>
Frederick Conrad Reynolds (S.A.T.C.)	S	<i>Providence</i>
Joseph Wilbur Riker (S.A.T.C.)	P	<i>Newark, N. J.</i>
William Edward Rogers (S.A.T.C.)	P	<i>Morristown, N. J.</i>
Walter Powell Rolland (S.A.T.C.)	P	<i>Lynn, Mass.</i>

NAME		RESIDENCE
Reginald Ivan Rose	A	<i>Baltic, Ct.</i>
Leo Henry Rosen	P	<i>Providence</i>
Dewey Hill Ross (S.A.T.C.)	P	<i>Parma, Idaho</i>
Stanton Lynk Rowley (S.A.T.C.)	P	<i>Cambridge, Mass.</i>
1. Donald Clarke Rubel	A	<i>New York, N. Y.</i>
1. Harold Mansfield Rule (N.U.)	P	<i>Naugatuck, Ct.</i>
Alexander Gaddis Russell (S.A.T.C.)	S	<i>Red Bank, N. J.</i>
Sedgwick Rusling Ryno (N.U.)	P	<i>Rahway, N. J.</i>
William Eugene Ryon, Jr. (S.A.T.C.)	S	<i>Stonington, Ct.</i>
3. Edward Francis St. George	P	<i>West Lynn, Mass.</i>
1. Louis Sallet	P	<i>Attleboro, Mass.</i>
Victor Hugo Sam (S.A.T.C.)	A	<i>Providence</i>
3. John Everett Sarles	S	<i>Mt. Kisco, N. Y.</i>
William Kirk Schank (S.A.T.C.)	P	<i>Trenton, N. J.</i>
1. George Schneider (S.A.T.C.)	S	<i>Rutherford, N. J.</i>
1. John Henry Schneider (S.A.T.C.)	P	<i>Rutherford, N. J.</i>
William Seaman	A	<i>Providence</i>
1. George Dewey Seguin (S.A.T.C.)	P	<i>Central Village, Ct.</i>
James Edsall Serven (N.U.)	P	<i>Pearl River, N. Y.</i>
3. Max Mendal Sherman	P	<i>Providence</i>
Bertrand Leslie Shurtleff (N.U.)	P	<i>East Greenwich</i>
1. Isadore Siegler (N.U.)	P	<i>Newark, N. J.</i>
Allen Belknap Sikes (S.A.T.C.)	P	<i>Suffield, Ct.</i>
1. Frank Abbe Simmons (S.A.T.C.)	P	<i>Enfield, Ct.</i>
1. Clayton Bourne Smith (S.A.T.C.)	P	<i>Pawtucket</i>
Edward Watson Smith	P	<i>East Wareham, Mass.</i>
Gordon Drew Smith	P	<i>Glen Ridge, N. J.</i>
1. Maurice Richmond Smith (N.U.)	P	<i>Woonsocket</i>
1. Raymond Edwin Smith (S.A.T.C.)	P	<i>East Killingly, Ct.</i>
1. Vincent M. Smith	P	<i>Providence</i>
Rolf Einar Soderback	S	<i>Providence</i>
Arthur Davison Somes (N.U.)	S	<i>Otis, Mass.</i>
1. John Franklin Spellman (S.A.T.C.)	P	<i>Somers, Ct.</i>
Arnon Lyon Squiers, Jr.	P	<i>Brooklyn, N. Y.</i>
1. George Thomas Stack (N.U.)	P	<i>Cambridge, Mass.</i>
Chester Sides Stackpole (N.U.)	A	<i>Peabody, Mass.</i>
3. Dana Emerson Stetson	P	<i>Lynn, Mass.</i>
1. Richard Wooster Stevens (S.A.T.C.)	S	<i>Deep River, Ct.</i>
1. Herman Louis Stone (S.A.T.C.)	A	<i>Holyoke, Mass.</i>
1. George Lyman Stratton (N.U.)	S	<i>East Jaffrey, N. H.</i>
Edward Thomas Streker	A	<i>Providence</i>
Raymond Perry Studley	A	<i>Providence</i>
Franklin Channing Sutherland (S.A.T.C.)	P	<i>Providence</i>

SPECIAL STUDENTS

167

NAME		RESIDENCE
1. Charles Louis Swan, Jr. (N.U.)	P	<i>Stoughton, Mass.</i>
Theodore Lawton Sweet (S.A.T.C.)	P	<i>Providence</i>
Carl Irving Taber (N.U.)	S	<i>Clinton, Mass.</i>
3. Louis Tennenbaum	P	<i>Waterbury, Ct.</i>
Wallace Nutting Thurber	P	<i>Providence</i>
Harold Francis Tracy (S.A.T.C.)	P	<i>Fall River, Mass.</i>
Albion Freedom Tripp (S.A.T.C.)	P	<i>Springfield, Mass.</i>
Max Trubek (S.A.T.C.)	P	<i>Carlstadt, N. J.</i>
Stuart Hayward Tucker	A	<i>Providence</i>
1. Bartlett Tyler (S.A.T.C.)	P	<i>Boston, Mass.</i>
Rodney Johnson Underwood (S.A.T.C.)	S	<i>South Hingham, Mass.</i>
Angelo George Valentino (S.A.T.C.)	A	<i>Providence</i>
1. Walter Winfred Vandal	P	<i>Pawtucket</i>
Elmer Archer Wagner (N.U.)	P	<i>Ballston Spa, N. Y.</i>
Willard Mowry Walcott (S.A.T.C.)	A	<i>Greeneville</i>
Edwin Chase Walmsley	P	<i>Pawtucket</i>
George Heber Webb, Jr. (N.U.)	P	<i>Providence</i>
Sherman Wells, Jr. (S.A.T.C.)	A	<i>Media, Pa.</i>
Lawrence Whitcomb, Jr.	S	<i>Brookline, Mass.</i>
Alfred Lincoln Whittmore (S.A.T.C.)	P	<i>South Hadley Falls, Mass.</i>
John Hutchinson Whorf (S.A.T.C.)	P	<i>Wellfleet, Mass.</i>
Frank Walter Williams	P	<i>Providence</i>
1. Rolland Anthony Williams (N.U.)	A	<i>Lynn, Mass.</i>
3. Ng Soo Wing	P	<i>Canton, China</i>
Clarence Edward Winsor (S.A.T.C.)	P	<i>Plainfield, Ct.</i>
Richard Clinton Wirtz	P	<i>Montclair, N. J.</i>
1. Robert Isaac Woodbury (N.U.)	P	<i>Topsfield, Mass.</i>
1. James Kenneth Yager (S.A.T.C.)	P	<i>Oneonta, N. Y.</i>
Angelo Louis Zucco (S.A.T.C.)	P	<i>Great Barrington, Mass.</i>

SPECIAL STUDENTS

1. Arlo Gordon Adams (N.U.)	<i>Central Falls</i>
1. Irving Samuel Aiken (S.A.T.C.)	<i>New Bedford, Mass.</i>
1. Percy Frederic Albee	<i>Providence</i>
George Fearing Allen (N.U.)	<i>Providence</i>
1. George Thornley Allenson (S.A.T.C.)	<i>Valley Falls</i>
1. William Chester Allinson (S.A.T.C.)	<i>Fall River, Mass.</i>
1. Robert Almond (S.A.T.C.)	<i>Fall River, Mass.</i>
1. Frederic Kenneth Armstrong (S.A.T.C.)	<i>Franklin, Ct.</i>
1. William Aronson (S.A.T.C.)	<i>Dorchester, Mass.</i>
1. Edward Carl Arzt	<i>Central Falls</i>
1. Lewis Allen Averill (S.A.T.C.)	<i>Pomfret Centre, Ct.</i>

NAME	RESIDENCE
1. Lawrence Edmund Backus (S.A.T.C.)	<i>Thompson, Ct.</i>
1. Evelyn Joseph Baldwin (S.A.T.C.)	<i>New Bedford, Mass.</i>
1. George Allen Ballou (S.A.T.C.)	<i>Pawtucket</i>
1. Harold Francis Ballou (S.A.T.C.)	<i>Providence</i>
Roy Joseph Beauregard (S.A.T.C.)	<i>Harrisville</i>
Walter Francis Becket (S.A.T.C.)	<i>Providence</i>
Samuel Henry Berger (S.A.T.C.)	<i>Providence</i>
1. Lyle Eugene Bourne (S.A.T.C.)	<i>Rumford</i>
1. Louis Maxwell Brass (S.A.T.C.)	<i>Brooklyn, N. Y.</i>
1. Chester Haskell Briggs (N.U.)	<i>West Barrington</i>
1. Clifford Elmer Broga (N.U.)	<i>East Lee, Mass.</i>
1. Norman Bromson	<i>Providence</i>
1. James Henry Brown (S.A.T.C.)	<i>Bristol</i>
1. Philip Chace Brown (N.U.)	<i>Providence</i>
1. Robert Lyman Butler (S.A.T.C.)	<i>East Providence</i>
James Graham Campbell (S.A.T.C.)	<i>Montclair, N. J.</i>
1. Albert Abraham Canterwitch (N.U.)	<i>New Britain, Ct.</i>
1. Israel Caplan (N.U.)	<i>Providence</i>
1. Frank Edward Carr (S.A.T.C.)	<i>Media, Pa.</i>
1. Bernard Murphy Carter (S.A.T.C.)	<i>North Conway, N. H.</i>
1. John Edward Cassidy (N.U.)	<i>Providence</i>
3. Albert Francis Caulfield	<i>Providence</i>
3. Francis Michael Champaigne	<i>Keene, N. H.</i>
1. Curtis C. Chartier	<i>Providence</i>
Nathaniel Borden Chase (S.A.T.C.)	<i>Central Falls</i>
1. Warren Andrew Clay (N.U.)	<i>Fairhaven, Mass.</i>
3. Norman Church Cleveland	<i>Providence</i>
Charles Henry Cole (N.U.)	<i>Providence</i>
1. Walter Vincent Connly (S.A.T.C.)	<i>Pawtucket</i>
2. Earl Fairchild Connett	<i>Morristown, N. J.</i>
1. Louis DeLaittre Cook	<i>New Bedford, Mass.</i>
Edward Anthony Cooney (S.A.T.C.)	<i>Providence</i>
1. William Michael Cushman (N.U.)	<i>Washington, D. C.</i>
1. Harry Oscar Dahlstrom (N.U.)	<i>Stamford, Ct.</i>
1. James Elton Davis (S.A.T.C.)	<i>North Conway, N. H.</i>
1. Charles Fred Donovan (N.U.)	<i>Providence</i>
Jesse Elting DuBois (N.U.)	<i>New Paltz, N. Y.</i>
1. Arthur Wilson Eddy (S.A.T.C.)	<i>Pawtucket</i>
1. Lawrence Sterling Edwards (N.U.)	<i>Bristol</i>
Russell Hough Emmott (S.A.T.C.)	<i>Woonsocket</i>
1. Donald Fay Farnsworth (N.U.)	<i>Providence</i>
1. Stanley August Ferger (N.U.)	<i>Cincinnati, Ohio</i>
Edward Louis Fielding (S.A.T.C.)	<i>Dorchester, Mass.</i>

SPECIAL STUDENTS

169

NAME

RESIDENCE

1. Arthur Herman Fischer (N.U.)	<i>Providence</i>
Frank Curtis Fish	<i>Providence</i>
1. Edward Clayton Fisher (S.A.T.C.)	<i>Putnam, Ct.</i>
1. Carl Lawrence Flick (S.A.T.C.)	<i>Saylesville</i>
1. John Kane Flynn (N.U.)	<i>Providence</i>
1. Joseph Anthony Fogarty (N.U.)	<i>Providence</i>
1. Arthur Dexter Fowler (N.U.)	<i>Salem, Mass.</i>
1. Henry Louis Gage (N.U.)	<i>Brockton, Mass.</i>
1. Harold Dennis Gagnon (N.U.)	<i>Millbury, Mass.</i>
George Ellsworth Gale, Jr. (N.U.)	<i>Pawtucket</i>
Frederick Sherer Gallup (S.A.T.C.)	<i>Providence</i>
3. Lloyd Elisha Gallup	<i>Waterford, Ct.</i>
1. William Charles Gardiner	<i>Bristol</i>
1. Joseph Israel Gates (N.U.)	<i>Providence</i>
Lester Edmond Gavitt (N.U.)	<i>Westerly</i>
1. William Francis Gay (S.A.T.C.)	<i>Attleboro, Mass.</i>
1. Joseph Leodore Gibeault (S.A.T.C.)	<i>Attleboro, Mass.</i>
1. Joseph Globus (S.A.T.C.)	<i>Attleboro, Mass.</i>
William Alfred Goggin	<i>Manchester, N. H.</i>
3. Sayles Gorham	<i>Providence</i>
Henry Edward Goss (S.A.T.C.)	<i>South Swansea, Mass.</i>
1. Hugh Gourley (N.U.)	<i>Warren</i>
Herbert Abraham Gourse (N.U.)	<i>Fall River, Mass.</i>
1. Edwin Whitney Gove (N.U.)	<i>Westerly</i>
1. Arthur Myers Grimes (S.A.T.C.)	<i>Pawtucket</i>
1. Edward Hall (N.U.)	<i>Brockton, Mass.</i>
1. Irvin Hamilton (S.A.T.C.)	<i>Chester, Pa.</i>
William Joseph Harper	<i>Providence</i>
John Barr Harvie (S.A.T.C.)	<i>Rutherford, N. J.</i>
Edward Joseph Haskell (S.A.T.C.)	<i>Providence</i>
1. Thurlow Clark Haunton (N.U.)	<i>Holyoke, Mass.</i>
1. Frederick Walter Heffernan (S.A.T.C.)	<i>Ashton</i>
Henry Knowles Holden	<i>Warwick Neck</i>
1. Edwin Delevan Holmes (N.U.)	<i>Santa Ana, Cal.</i>
1. Arthur Lewis Hurst (N.U.)	<i>Glen Ridge, N. J.</i>
1. Charles Jacobson (N.U.)	<i>Providence</i>
Albert Brown Jeffers (S.A.T.C.)	<i>Central Falls</i>
Malcolm Johnson (S.A.T.C.)	<i>Weston, Mass.</i>
1. Ronald Bernard Kair (S.A.T.C.)	<i>Mill River, Mass.</i>
1. Max Kaufman (N.U.)	<i>Providence</i>
1. Powel Kazanjian (N.U.)	<i>Newport</i>
1. Harry Orrin Kent (N.U.)	<i>Providence</i>
Charles Dewey Koechling (N.U.)	<i>Pawtucket</i>

NAME	RESIDENCE
1. Charles Warren Lake, Jr. (N.U.)	<i>Providence</i>
Henry Gordon Taft Langdon (S.A.T.C.)	<i>Providence</i>
Oscar Stanley Lapham (S.A.T.C.)	<i>Providence</i>
1. Harry Leades (N.U.)	<i>New Britain, Ct.</i>
3. Alpha Anson Learned	<i>Providence</i>
1. Bernard Thomas Lennon, Jr. (S.A.T.C.)	<i>Pawtucket</i>
1. Charles Borromeo Lennon (S.A.T.C.)	<i>Pawtucket</i>
1. Moses Aaron Lesser (N.U.)	<i>Fall River, Mass.</i>
1. George Arvid Lindgren (N.U.)	<i>East Providence</i>
Arthur Killiam Litchfield (N.U.)	<i>Pittsburgh, Pa.</i>
Edgar John Lownes (S.A.T.C.)	<i>Providence</i>
1. Timothy John Lyons (S.A.T.C.)	<i>Attleboro, Mass.</i>
1. John Thomas Lythgoe (S.A.T.C.)	<i>Pawtucket</i>
1. Edward Wallace McCarthy (N.U.)	<i>Winthrop, Mass.</i>
1. Robert Greene McCoy (S.A.T.C.)	<i>Montclair, N. J.</i>
1. Julian D'Orvel MacDonald (N.U.)	<i>New York, N. Y.</i>
1. Robert Francis McElroy (S.A.T.C.)	<i>Pawtucket</i>
1. Ernest Speakman MacKenzie (N.U.)	<i>Westwood, N. J.</i>
Fergus Edward Cannon McOsker (S.A.T.C.)	<i>Providence</i>
1. Thomas Arthur Maloney (S.A.T.C.)	<i>Webster, Mass.</i>
Henry Francis Manchester, Jr. (S.A.T.C.)	<i>Providence</i>
1. Clarence Edward Mansfield (S.A.T.C.)	<i>Washington, Pa.</i>
1. Arthur Earl Marley (N.U.)	<i>Providence</i>
1. Winfred Conklin Mason (S.A.T.C.)	<i>Newport</i>
Kenilworth Hillery Mathus (N.U.)	<i>Edgewood</i>
1. John Booth Melvin (N.U.)	<i>Fall River, Mass.</i>
Gilbert DeBlais Miller (S.A.T.C.)	<i>Providence</i>
1. Philip Jack Mills (S.A.T.C.)	<i>Plainfield, N. J.</i>
John Douglas Mitchell (S.A.T.C.)	<i>Providence</i>
1. John Francis Morrissey (N.U.)	<i>Fall River, Mass.</i>
1. Leigh Morse (S.A.T.C.)	<i>Brookline, Mass.</i>
1. Martin Mulcahey (N.U.)	<i>Providence</i>
John Francis Murphy (N.U.)	<i>Lynn, Mass.</i>
1. Philip Gordon Nase (N.U.)	<i>Pawtucket</i>
John Warren Northcott	<i>New Bedford, Mass.</i>
1. Francis Noonan O'Brien (N.U.)	<i>Millbury, Mass.</i>
1. John Joseph O'Brien (N.U.)	<i>Riverpoint</i>
1. George Herbert Olson (S.A.T.C.)	<i>Providence</i>
John Augustus O'Neill (S.A.T.C.)	<i>Pawtucket</i>
1. William Hugh O'Neill (S.A.T.C.)	<i>Attleboro, Mass.</i>
1. William Prince Orr, Jr. (S.A.T.C.)	<i>South Attleboro, Mass.</i>
Harold William Pearce (N.U.)	<i>Edgewood</i>
1. Charles Cedric Pearson (S.A.T.C.)	<i>Providence</i>

SPECIAL STUDENTS

171

NAME	RESIDENCE
1. Arthur Ernest Peterson (N.U.)	<i>New Britain, Ct.</i>
1. Sidney Mortimer Pick	<i>Newark, N. J.</i>
1. Clarence Pickard	<i>North Conway, N. H.</i>
1. William Burghardt Piper (S.A.T.C.)	<i>Great Barrington, Mass.</i>
Harold Leroy Pittenger (S.A.T.C.)	<i>Trenton, N. J.</i>
William Brainard Prentiss (S.A.T.C.)	<i>New Haven, Ct.</i>
1. John Anthony Prior	<i>Providence</i>
1. Joseph Augustine Quigley (S.A.T.C.)	<i>Blackstone, Mass.</i>
John Francis Quinn (S.A.T.C.)	<i>Pawtucket</i>
1. Leo Renaud (N.U.)	<i>Southbridge, Mass.</i>
1. Marshall MacDonald Rice (N.U.)	<i>Pawtuxet</i>
Walter Merritt Richardson	<i>Winchester, Mass.</i>
1. James Francis Roche (N.U.)	<i>New Britain, Ct.</i>
Pierson Roraback (S.A.T.C.)	<i>Sheffield, Mass.</i>
1. Charles Oliver Ruddy (N.U.)	<i>Fitchburg, Mass.</i>
Joseph Wechster Scharf (S.A.T.C.)	<i>Brooklyn, N. Y.</i>
1. Wernert Jacques Schuler (S.A.T.C.)	<i>New Bedford, Mass.</i>
1. Samuel P. Schwartz (N.U.)	<i>New York, N. Y.</i>
1. Keith Sayles Shaw (N.U.)	<i>Providence</i>
1. Francis J. Shields	<i>Providence</i>
3. Malcolm C. Shurtleff	<i>Adamsville</i>
George Thomas Slavin (S.A.T.C.)	<i>East Providence</i>
1. Ambrose Trowbridge Smith (S.A.T.C.)	<i>Pawtucket</i>
1. George Edward Smith (N.U.)	<i>South Norwalk, Ct.</i>
1. Walter K. Smith (S.A.T.C.)	<i>Pawtucket</i>
Ralph Evans Stanton	<i>Providence</i>
John Jameson Sullivan (S.A.T.C.)	<i>Pawtucket</i>
1. Raymond S. Sutcliffe (N.U.)	<i>Fall River, Mass.</i>
1. Calvin Brice Swain (S.A.T.C.)	<i>Pemberton, N. J.</i>
Fred Elmore Sweet (N.U.)	<i>Providence</i>
1. Alfred Cecil Taylor (N.U.)	<i>Providence</i>
1. Fred Luther Tompkins (N.U.)	<i>Barrington</i>
1. Albert Leroy Vandal (N.U.)	<i>Pawtucket</i>
1. Henderick Van Leesten	<i>Providence</i>
1. Ira Merrill Van Vliet (S.A.T.C.)	<i>Jersey City, N. J.</i>
1. John Frederick Vaughan, Jr. (N.U.)	<i>Danvers, Mass.</i>
1. Richard Savary Vaughan (N.U.)	<i>Danvers, Mass.</i>
1. John Graham Walker (N.U.)	<i>Washington, D. C.</i>
Jerome Anthony Walsh (S.A.T.C.)	<i>Oneonta, N. Y.</i>
1. William Edward Walsh (S.A.T.C.)	<i>Providence</i>
1. George Harold Walton	<i>Haverhill, Mass.</i>
1. Charles Ellal Weinstein (N.U.)	<i>Norwich, Ct.</i>
1. Raymond Gates Welch (S.A.T.C.)	<i>Providence</i>

BROWN UNIVERSITY

NAME	RESIDENCE
Jerome West (S.A.T.C.)	<i>Longmeadow</i>
1. Berlyn Earl White (S.A.T.C.)	<i>Attleboro, Mass.</i>
Donald Eugene Wilbur (S.A.T.C.)	<i>West Pembroke, Me.</i>
Arthur Harrock Wilde (S.A.T.C.)	<i>South Swansea, Mass.</i>
3. Richard Sifox Wiley	<i>Providence</i>
1. John Clifford Williams (S.A.T.C.)	<i>Central Falls</i>
1. Louis Roy Wilmarth (S.A.T.C.)	<i>Attleboro, Mass.</i>
1. Elwood Wilson (S.A.T.C.)	<i>Montclair, N. J.</i>
George Earle Wilson	<i>Providence</i>
Oliver Paddock Woodward (N.U.)	<i>Providence</i>

STUDENTS ADMITTED AT MID-YEAR, 1917-18

NOT LISTED IN CATALOGUE FOR 1917-18

NOT INCLUDED IN SUMMARY OF REGISTRATION, 1918-19

SENIOR: CLASS OF 1918

NAME	RESIDENCE
Herman Joseph Borneman	<i>Long Island, N. Y.</i>

JUNIOR: CLASS OF 1919

Arthur Elias Axt	<i>Newark, N. J.</i>
------------------	----------------------

SOPHOMORE: CLASS OF 1920

Irving Smith Crompton	<i>Providence</i>
-----------------------	-------------------

FRESHMEN: CLASS OF 1921

Francis Elmer Booth	<i>Cornwall, N. Y.</i>
Charles Leo Cohen	<i>Providence</i>
Paul Gipfel	<i>Newark, N. J.</i>
Edward Milton Kolman	<i>Providence</i>
Kenneth Charles Meinken	<i>New York, N. Y.</i>
Milton Harold Rusby	<i>Fall River, Mass.</i>

SPECIAL STUDENT

Roland Herbert Sargent	<i>Grand Rapids, Mich.</i>
------------------------	----------------------------

THE WOMEN'S COLLEGE
IN BROWN UNIVERSITY

OFFICERS OF ADMINISTRATION AND
INSTRUCTION

THE EXECUTIVE OFFICERS

WILLIAM HERBERT PERRY FAUNCE, D.D., LL.D., PRESIDENT

LIDA SHAW KING, A.M., LITT.D., LL.D., DEAN OF THE WOMEN'S COLLEGE

Professor of Classical Literature and Archaeology

EMMA BRADFORD STANTON, A.M., REGISTRAR OF THE WOMEN'S COLLEGE

THE FACULTY

ALBERT GRANGER HARKNESS, A.M., LITT.D.

Professor of Roman Literature and History

HENRY BRAYTON GARDNER, PH.D.

Professor of Economics

COURTNEY LANGDON, A.B.

Professor of the Romance Languages and Literatures

EDMUND BURKE DELABARRE, PH.D.

Professor of Psychology

WALTER COCHRANE BRONSON, A.M., LITT.D.

Professor of English

WALTER GOODNOW EVERETT, PH.D.

Professor of Philosophy and Natural Theology

ASA CLINTON CROWELL, PH.D.

Associate Professor of the Germanic Languages and Literatures

CARL BARUS, PH.D., LL.D.

Dean of the Graduate Department; Hazard Professor of Physics

FRANCIS GREENLEAF ALLINSON, PH.D.

David Benedict Professor of Greek Literature and History;

Director of the Museum of Fine Arts

HENRY PARKER MANNING, PH.D.

Associate Professor of Pure Mathematics

JAMES QUAYLE DEALEY, PH.D.

Professor of Social and Political Science

WALTER BALLOU JACOBS, A.M.

Professor of Education; Director of University Extension

ALBERT DAVIS MEAD, PH.D., SC.D.

Professor of Biology

ALBERT KNIGHT POTTER, A.M.

Professor of English

ALBERT BUSHNELL JOHNSON, A.M.

Associate Professor of the Romance Languages

JOHN FRANCIS GREENE, A.M.

Associate Professor of Roman Literature and History

HENRY THATCHER FOWLER, PH.D.

Professor of Biblical Literature and History

GEORGE WYLLYS BENEDICT, PH.D.

Associate Professor of English

THOMAS CROSBY, JR., A.M.

Associate Professor of English and Public Speaking

HENRY BARRETT HUNTINGTON, A.B.

Associate Professor of English

LIDA SHAW KING, A.M., LITT.D., LL.D.

Dean of the Women's College;

Professor of Classical Literature and Archaeology

CHARLES WILSON BROWN, A.M.

Associate Professor of Geology

HERBERT EUGENE WALTER, PH.D.

Associate Professor of Biology

ROLAND GEORGE DWIGHT RICHARDSON, PH.D.

Professor of Pure Mathematics;

Acting Director of the Ladd Observatory

CHARLES HERMAN HUNKINS, DR. UNIV. PARIS

Assistant Professor of the Romance Languages and Literatures

RAYMOND CLARE ARCHIBALD, PH.D.

Associate Professor of Pure Mathematics

† THEODORE FRELINGHUYSEN COLLIER, PH.D.

Professor of European History

HARLAN HARVEY YORK, PH.D.

Assistant Professor of Botany

† On leave of absence during the academic year 1918-19.

WILLIAM THOMSON HASTINGS, A.M.

Assistant Professor of English

JOHN CORLISS DUNNING, PH.D.

Assistant Professor of Political Science

STEPHEN SHELDON COLVIN, PH.D.

Professor of Educational Psychology;

Director of the School of Education

ALFRED HARRISON JONES, PH.D.

Associate Professor of Logic

ROBERT MCBURNEY MITCHELL, PH.D.

Assistant Professor of the Germanic Languages and Literatures

+ KENDALL KERFOOT SMITH, PH.D.

Assistant Professor of Greek Literature and History

CLINTON HARVEY CURRIER, A.M.

Assistant Professor of Mathematics

ST. GEORGE LEAKIN SIOUSSAT, PH.D.

George L. Littlefield Professor of American History

THEODORE HENRY BROWN, PH.D.

Assistant Professor of Nautical Science

HAROLD STEPHEN BUCKLIN, PH.D.

Assistant Professor of Social Science

ELMER CUMMINGS GRIFFITH, PH.D.

Acting Professor of History

HERBERT FRANKLIN DAVISON, A.M.

Assistant Professor of Chemistry

M. ELIZABETH BATES

Instructor in Hygiene and Physical Education in the Women's College

JOHN SHAPLEY, PH.D.

Instructor in Art

EDOUARD R. MASSEY, B. ÈS LETTRES

Instructor in French

HELEN BARNES WHITING, A.M.

Instructor in Biology in the Women's College

ALVIN HARVEY HANSEN, PH.D.

Instructor in Economics

KENNETH OLIVER MASON, A.M.

Instructor in English

WILLIAM RUSSELL BURWELL, A.M.

Instructor in Mathematics

+ On leave of absence during the academic year 1918-19.

CLARENCE RICHARD JOHNSON, A.B.

Instructor in Social Science

LECTURERS AND ASSISTANTS

EDWIN ERNEST WILDE

Lecturer in Music

WILLIAM WALKER RUSSELL, Ph.B.

Assistant in Chemistry

HELEN FRANCES ORDWAY, A.B.

Assistant in Biology

CAROLINE MILLARD MORTON, A.B.

Assistant in English

CHRISTINE ELIZABETH LEMMO

Assistant in Hygiene and Physical Education

BLANCHE NATHALIE DAVIS

Director of Chapel Music

ADMINISTRATIVE OFFICERS

MARY GILMAN AHLERS, A.B.

Director of Grounds and Buildings

EMILY SANGER PADDOCK

Director of Dormitory Life

ELIZABETH WAVE WHITMAN, A.B.

Resident at West Cottage

COMMITTEE ON THE CURRICULUM

Professors GARDNER, LANGDON, BRONSON, EVERETT, ALLINSON, and MEAD,
Dean KING.

EXECUTIVE COMMITTEE

President FAUNCE, *Dean* KING, *Messrs.* HENRY M. KING, STEPHEN O. METCALF,
WILLIAM GAMMELL.

ADVISORY COUNCIL

Miss SARAH E. DOYLE, *Miss* AMELIA S. KNIGHT, *Mrs.* GUSTAV RADEKE, *Mrs.*
CARL BARUS, *Mrs.* FRANCIS G. ALLINSON, *Mrs.* JOHN S. MURDOCK, *Mrs.* WALTER C. BRONSON.

ORGANIZATION OF THE WOMEN'S COLLEGE

INSTRUCTION for undergraduate women ‡ is provided by a department of the University known as THE WOMEN'S COLLEGE IN BROWN UNIVERSITY. The aim of the Women's College is to offer to all properly prepared women the same examinations, the same courses of study under the same teachers, and the same degrees that the University offers to men, but to preserve the distinct social life of a separate college.

The Corporation of the University has supervision and control of the Women's College as of other departments of the University, and for this purpose appoints annually an Executive Committee of the Women's College. The President of the University is charged with the general direction, supervision, and government of this College as of other departments of the University. The immediate direction, supervision, and control devolve, subject to the direction of the President, on the Dean of the Women's College. An Advisory Council, appointed under the authority of the Corporation, advises with the President and the Dean upon matters relating to the Women's College, and makes recommendations to the Executive Committee of the Women's College or to the Corporation. The immediate administration of the social life of the College, subject to the President of the University and the Dean of the College, rests with the Student Government Association.

The Faculty of the Women's College is composed of the heads of all departments of instruction in Brown University, together with all professors and instructors who are actually teaching in the College.

Catalogues of the Women's College may be obtained from the Registrar of the Women's College in Brown University, Providence, R. I. Requests for information not contained in this Catalogue or in the Bulletins should be addressed to the Dean of the Women's College in Brown University, Providence, R. I.

‡ In the Graduate Department of Brown University all courses intended for graduate students are open to women on the same terms as to men.

ADMISSION TO THE WOMEN'S COLLEGE

REQUIREMENTS FOR ADMISSION

THE requirements for admission to the Women's College are the same as those which the University prescribes for men. For information concerning admission by certificate or examination, and the times and places of examinations, see pages 23-26. Certificates and applications for permission to take examinations should be sent to the Registrar of the University. For the entrance requirements for the various degrees, admission to advanced standing, and admission of special students, see pages 26-46. Each applicant for registration as a special student must consult the Dean of the Women's College before registering.

REGISTRATION AND ENROLMENT

The regulations governing registration and enrolment are the same at the Women's College as at the University. (See page 47.) All students must apply for registration and enrolment at the office of the Registrar of the Women's College, in Pembroke Hall, between 9 a.m. and 12 m., or between 2 p.m. and 4 p.m., on either of the two days preceding the opening of College. Permission to change a previous registration must be obtained from the Dean, on the same days and at the same hours.

REQUIREMENTS FOR DEGREES

The requirements for the various degrees are explained on pages 49-53. Upon students of the Women's College who complete satisfactorily the work leading to the degree of Bachelor of Arts, Bachelor of Philosophy, or Bachelor of Science,† the Board of Fellows of the University confers the appropriate degree.

FEES

Students at the Women's College pay the tuition fee of \$150 in two instalments: \$75 upon registration in September and \$75 upon registration in February. Freshmen pay a matriculation fee of \$5 upon registering in September. No deduction in tuition is made on account of absence. Laboratory fees, etc., must be paid two weeks before the close of a semester. (See pages 127-130.)

Special students at the Women's College are charged \$15 a semester for each course holding three recitations a week. Laboratory fees are in addition to this.

† The Women's College does not at present offer courses leading to the degree of Bachelor of Science.

SPECIAL FEES. Candidates for a first degree who do not pay four years full tuition fees must pay for all extra courses counted toward the degree at the rate of \$7.50 per semester for each three-hour course. This amount must be paid at the beginning of the semester preceding the completion of the degree work. This rule does not apply to courses credited from other institutions.

COURSES OF INSTRUCTION

COURSES designated by a † are given at the University; a limited number of approved women students may be admitted to these courses upon application to the Dean of the Women's College. Women are also admitted to certain other University courses with the special permission of the departments concerned and with the consent of the Dean of the Women's College. In starred courses a final mark covering the work of the course as a whole is given at the end of the course, the mark given at the end of the first semester being regarded as temporary.

ART

101, 102 (11, 12). *General History of Art.* Dr. SHAPLEY
Mon., Wed., Fri., at 12.20.

110, 111, 112 (15,* 16*). *Freehand Drawing*
Given at the Rhode Island School of Design. Hours to be arranged with the Director.

113, 114, 115 (17,* 18*). *Advanced Drawing*
Given at the Rhode Island School of Design. Mon., Tu., Wed., at 2.
Lecture hour to be arranged with the Director.

116, 117, 118 (19, † 20 †). *Museum Methods and Museum Material*

122, 123, 124 (21, 22 †). *Art Seminary*

BIBLICAL LITERATURE AND HISTORY

101, 102 (1, 2 †). *Elementary Hebrew*

113, 114, 115 (13, 14 †). *Acts and Pauline Epistles*

116, 117, 118 (23, 24 †). *Alexandrian Jewish Literature*

122, 123, 124 (15, 16). *Old Testament Literature and History.* Professor FOWLER
Tu., Th., Sat., at 9.20.

125, 126, 127 (21, 22*†). *Biblical Seminary*

134, 135 (30†). *History of Religion, or Philosophy 119, 120*

BIOLOGY

101, 102, 103 (1, 2). *General Biology*. Miss WHITING and Miss ORDWAY

Tu., Th., Sat., at 11.20.

104, 105, 106 (3, 4). *Comparative Anatomy of Vertebrates*. Professor WALTER

Tu., Th., Sat., at 11.20.

110, 111, 112 (7, 8). *Embryology and Histology*. Professor MEAD
Mon., Th., Fri., at 2.

113, 114 (9, 10†). *Advanced Histology and Pathology*

119, 120, 121 (13, 14†). *Chemical Physiology*

122 (15†). *Invertebrate Zoölogy*

128 (16†). *Bacteriology*

131, 132, 133 (17, 18†). *Advanced Bacteriology*

140, 141, 142 (37, 38†). *Bacteriological Research*

BOTANY†

107, 108, 109 (3, 4†). *Physiological Anatomy*

CHEMISTRY

101, 102, 103 (1, 2). *Descriptive Chemistry*. Professor DAVISON and Mr. RUSSELL

Mon., Wed., Fri., at 12.20.

107, 108, 109 (3, 4†). *Qualitative and Quantitative Analysis*

† Other advanced courses will be offered as stated in the Catalogue for 1917-18.

110, 111, 112 (5, 6†). *Quantitative Analysis, Advanced Course*

113, 114, 115 (7, 8†). *Organic Chemistry*

122 (12†). *Organic Dyes*

128, 129 (20†). *Inorganic Chemistry, Advanced Course*

ECONOMICS†

101, 102 (1). *Elementary Economics*. Dr. HANSEN

Second semester. Preceded in the first semester by Social and Political Science 101. *Tu., Th., Sat., at 10.20.*

104, 105, 106 (5, 6†). *Money and Banking*

107 (7†). *Problems of Labor and Industry*

110, 111 (8†). *Socialism and Allied Movements*

117 (15†). *Trade and Transportation in the United States*

116.† *Trusts and Combinations*

125, 126 (17, 18†). *Accounting*

EDUCATION

101 (2). *Principles of Education*. Professor JACOBS

First term. *Mon., Wed., Fri., at 10.20.*

104 (1). *History of Education*. Professor JACOBS

Second term. *Mon., Wed., Fri., at 10.20.*

107 (4). *Introduction to Teaching*. Professor JACOBS

Third term. *Mon., Wed., Fri., at 10.20.*

110, 111, 112 (5, 6†). *Secondary Education*

† Courses in Economics marked with a † are open to undergraduates if elected by three or more students.

113, 114, 115 (3, 18). *Psychology of Education, The Learning Process, Mental Tests and Measurements*. Professor COLVIN
Mon., 2 to 4; Tu. at 2.

119, 120, 121 (11, 12 †). *Experimental Education*

125, 126, 127 (15, 16 †). *Seminary in Education*

ENGLISH

101, 102, 103 (1, 2). *Rhetoric and Composition*. Professor HASTINGS and Mr. MASON
Mon., Wed., Fri., at 9.20.

104 (48). *English Literature from the Beginning to 1700*. Professor BENEDICT
Third term. Mon., Wed., Fri., at 9.20.

49. *English Literature from 1700 to 1900*. Professor BENEDICT
First and second terms. Mon., Wed., Fri., at 9.20.

7, 8. *Argumentative Composition*. Professor HUNTINGTON
Tu., Th., Sat., at 11.20.

119, 120, 121 (11, 12). *Public Speaking*. Professor CROSBY
Mon., Wed., Fri., at 10.20.

125, 126, 127 (15, 16 †). *Old English*

27, 28. *Shakspeare*. Professor POTTER
Tu., Th., Sat., at 9.20.

146, 147, 148 (39, 40). *American Literature*. Professor BRONSON
Tu., Th., Sat., at 10.20.

- GEOLOGY

104 (1). *Materials of the Earth and its Structure*. Professor BROWN
First semester. Mon., Wed., Fri., at 12.20.

105 (6). *Economic Geography of North America and Europe*. Professor BROWN

Second semester. *Mon., Wed., Fri., at 12.20.*

113 (2†). *Historical Geology*

119, 120 (9, 10 †). *Mineralogy and Petrography*

121, 122, 123 (11, 12†). *Research in Geology and Geography*

GERMANIC LANGUAGES AND LITERATURES

107, 108 (5, 6). *Intermediate Course*. Professor MITCHELL

Tu., Th., Sat., at 12.20.

110, 111, 112 (7, 8). *Advanced Course in Classical and Modern Authors*. Professor CROWELL

Mon., Wed., Fri., at 12.20.

119, 120 (27, 28†). *German Literature in the Nineteenth Century*

GREEK LITERATURE AND HISTORY

101, 102, 103 (A, B). *Beginner's Course: Greek Grammar, Xenophon, and Homer*. Professor ALLINSON

Mon., Wed., Fri., at 10.20.

104 (1). *Homer and other Greek Poetry exclusive of the Drama*. Professor ALLINSON

First term. *Tu., Th., Sat., at 9.20.*

105, 106 (2). *Plato, Aristophanes, and Lysias*. Professor ALLINSON.

Second and third terms. *Tu., Th., Sat., at 9.20.*

107, 108 (3†). *Plato and the Drama*

109 (4†). *Thucydides and Herodotus*

110, 111 (7†). *Plato: Republic, etc.*

112 (8†). *Aristotle: Politics*

119 (15). *Greek Civilization*. Professor ALLINSON

Second semester. *Mon., Wed., Fri., at 11.20.*

HISTORY

101, 102, 103 (1, 2). *Medieval and Modern History of Europe*.

Professor GRIFFITH

Mon., Wed., Fri., at 11.20.

106 (6). *Europe since 1815*. Professors SIOUSSAT and GRIFFITH

First semester. *Tu., Th., Sat., at 9.20.*

110 (10). *The Background of the World War*. Professor GRIFFITH

Second semester. *Tu., Th., Sat., at 9.20.*

113, 114 (19, 20). *American History*. Professor SIOUSSAT

Mon., Wed., Fri., at 11.20.

119, 120, 121 (25, 26†). *Seminary in American History*

MATHEMATICS

101, 102, 103 (61, 62). *Elementary Analysis*. Professors RICHARDSON, MANNING, and BROWN, and Mr. BURWELL

1st and 2d divisions, Tu., Th., Sat., at 10.20.

108 (1). *Solid Geometry*. Professor MANNING

Second term. *Tu., Th., Sat., at 10.20.*

109 (3). *Algebra*. Professors MANNING and BROWN

Third term. *Mon., Wed., Fri., at 10.20; Tu., Th., Sat., at 9.20.*

110, 111, 112 (5, 6). *Analytic Geometry and Differential Calculus*.

Professor RICHARDSON

First and second terms. *Tu., Th., Sat., at 9.20.*

7, 8. *Differential and Integral Calculus*. Professor CURRIER

Tu., Th., Sat., at 9.20.

125, 126, 127 (25, 26†). *Advanced Algebra*

128, 129, 130 (29, 30†). *Introduction to Advanced Analysis*

43, 44. *Methods, Foundations, and Problems of Elementary Geometry*. Professor ARCHIBALD
Mon., Wed., Fri., at 9.20.

MUSIC

101 (1). *The Appreciation of Music*. Mr. WILDE
 First semester. *Mon., Wed., Fri., at 11.20.*

102 (2). *Romanticism in Music*. Mr. WILDE
 Second semester. *Mon., Wed., Fri., at 11.20.*

PHILOSOPHY

101, 102, 103 (1, 2). *Introduction to Philosophy*. Professor JONES
Mon., Wed., Fri., at 11.20.

3, 34. *Psychology*. Professor DELABARRE
Mon., Wed., Fri., at 9.20.

107, 108 (4). *Ethics*. Professor EVERETT
 Second semester. *Mon., Wed., Fri., at 10.20.*

110, 111, 112 (5, 6†). *Psychological Seminary*

116 (9). *Philosophy of Religion*. Professor EVERETT
 First semester. *Mon., Wed., Fri., at 10.20.*

119, 120 (30†). *History of Religion, or Biblical Literature 134, 135*

125, 126, 127 (11, 12†). *Experimental Psychology, Introductory Laboratory Course*

131, 132, 133 (14, 16†). *Contemporary Philosophy*

137, 138, 139 (19, 20†). *Experimental Psychology, Advanced Laboratory Course*

140, 141, 142 (23, 24†). *Studies in the Philosophy of Religion*

PHYSICS

101, 102, 103 (1, 2). *Elementary Physics*. Professor BARUS
Mon., Wed., Fri., at 11.20.

110, 111, 112 (3, 4†). *Elementary Physics, continued*

ROMAN LITERATURE AND HISTORY

101 (1). *Cicero's De Senectute, De Amicitia; Terence's Phormio*. Professor GREENE

First term. Mon., Th., Fri., at 2.

102, 103 (2). *Selections from Horace*. Professor GREENE

Second and third terms. Mon., Th., Fri., at 2.

104 (3). *Catullus and Virgil's Eclogues*. Professor KING

First term. Mon., Wed., Fri., at 10.20.

105, 106 (4). *Plautus' Captivi, Trinummus, Rudens*. Professors
HARKNESS and GREENE

Second and third terms. Mon., Wed., Fri., at 10.20.

119 (16). *Roman Civilization*. Professor GREENE

First semester. Mon., Wed., Fri., at 11.20.

ROMANCE LANGUAGES AND LITERATURES

101, 102, 103 (1, 2). *Elementary French, First Year*. Professor
CROWELL

Mon., Wed., Fri., at 11.20.

107, 108, 109 (5, 6). *Intermediate French*. Mr. MASSEY

Mon., Wed., Fri., at 10.20.

110, 111, 112 (7, 8). *Advanced French*. Professor HUNKINS

Tu., Th., Sat., at 9.20.

113, 114, 115 (7 and 9†). *Advanced French*

122, 123, 124 (15, 16). *Elementary Spanish, First Year*. Professor JOHNSON

Mon., Wed., Fri., at 12.20.

125, 126, 127 (21, 22). *Elementary Spanish, Second Year*. Professor JOHNSON

Tu., Th., Sat., at 12.20.

17, 18. *Elementary Italian, First Year*. Professor LANGDON

Tu., Th., Sat., at 9.20.

119, 120, 121 (19, 20). *Dante in English*. Professor LANGDON

Tu., Th., Sat., at 11.20.

23, 24†. *Practice in Writing and Speaking French*. Mr. MASSEY.

Mon., Wed., Fri., at 11.20.

SOCIAL AND POLITICAL SCIENCE

SOCIAL SCIENCE

101 (1). *Elementary Social and Political Science*. Professor DEALEY

First semester. Followed in the second semester by Economics 101. *Tu., Th., Sat., at 10.20.*

104, 105 (3, 4). *Social Work in Times of War*. Professor BUCKLIN and Mr. JOHNSON

Tu., Th., Sat., at 11.20.

107, 108 (7†). *Sociology as a Science*

16.† *Social Psychology*

110 (8†). *Sociology in its Applications*

122, 123, 124 (13, 14†). *Social Investigation and Training*

POLITICAL SCIENCE

101 (1). *Elementary Political Science*

See Social Science 101.

104 (3). *The National Government of the United States*. Professor DUNNING

First semester. *Tu., Th., Sat., at 10.20.*

107 (6). *Principles of International Law*. Professor DUNNING

Second semester. *Tu., Th., Sat., at 10.20.*

HYGIENE AND PHYSICAL EDUCATION†

M. ELIZABETH BATES, *Instructor in Hygiene and Physical Education*

CHRISTINE E. LEMMO, *Assistant in Hygiene and Physical Education*

1. *Freshman Course*

In the fall and spring, sports. From Thanksgiving to the spring recess, gymnastics, games, dancing, and reading and conferences in practical hygiene. Miss BATES and Miss LEMMO.

Three hours. Through the year. Required of all Freshmen. *Mon., Th., Fri., at 3.*

2. *Sophomore Course*

Similar to the Freshman course, but more advanced. Miss BATES and Miss LEMMO.

Three hours. Through the year. Required of all Sophomores. *Mon., Th., Fri., at 2.*

3. *Junior and Senior Course*

Similar to the Sophomore course, but more advanced. Two periods of sports may be substituted for gymnastics. Miss BATES and Miss LEMMO.

Three hours. Through the year. Required of all Juniors and Seniors. *Tu. at 2,* and two other hours at the convenience of the student.

[4. *Play Course*]

Play, games, and folk-dances suitable for elementary schools, playgrounds, and social settlements.

One hour. From Thanksgiving to the spring recess. Elective for all students. *Tu. at 3.* Not offered in 1918-19.

5. *Dancing*

Folk and aesthetic dancing. Miss LEMMO.

One hour. Through the year. Elective for Seniors and Juniors. *Tu. at 3.*

† For further information about the Department of Hygiene and Physical Education, see page 195.

6. *Daily Exercise*

Resident students are required to take one hour of exercise every day.

PREMIUMS, PRIZES, AND HONORS

THE GASPEE CHAPTER DAUGHTERS OF THE AMERICAN REVOLUTION PRIZE. This prize of forty dollars is awarded annually to that student in the Senior or Junior class of the Women's College who shall present the best essay of recognized merit upon some topic in American history. The essays are to bear each an assumed name, and to be accompanied by an envelope marked with the assumed name and inclosing the candidate's real name and address. The essays must be handed to the Dean before May 15. The award is announced at Commencement. The subject for 1918-19 is: *The Work of Henry Wheaton as Diplomat and Publicist*. The subject for 1917-18 was: *Rhode Island's French Visitors during the Revolutionary War*. The prize was awarded to

RUTH ESTELLA WELLS

THE CHACE PRIZE. The will of Mrs. Elizabeth D. Chace makes provision for a prize of twenty-five dollars, to be awarded to that student of the Women's College who shall present the best essay, of recognized merit, upon the Women's Suffrage Movement. The essays must be handed to the Dean before May 15.

THE SOCIETY OF COLONIAL DAMES PRIZE IN AMERICAN HISTORY. The income of a fund of fifteen hundred dollars, known as the Roger Williams Fund established by the National Society of Colonial Dames in the State of Rhode Island and Providence Plantations, given to the University in 1906, is awarded annually as a prize for the best essay on a subject in American colonial history. The competition is open to Juniors, Seniors, and Graduates, and to men and women on equal terms. Essays must show independent use of authorities, and should, in general, extend to at least four thousand words. Competitors must give their names to the head of the Department of History by March 1; the essays must be handed to the Dean before May 12. The award is announced at Commencement. The subject for 1918-19 is: *The Charter of Rhode Island and Providence Plantations, 1663: An Account of its Origin*.

THE EDYTHE PECK ADAMS PRIZE. This prize is offered by the Class of 1901 for the best short story written by an undergraduate of the Women's College. The essays must be handed to the Dean before May 15.

ADDITIONAL PREMIUMS. The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered in Brown Uni-

versity. In case any woman is entitled to a first premium, competed for by examination, a prize, the amount of which is duly announced, is awarded by the College. In 1917-18 the following premiums were awarded to women:

A collateral first premium in Greek to **ELSIE MAY FLINT**, of the class of 1918.

A collateral first premium in preparatory Greek to **HELEN LOUISE URQUHART**, instructed in the Classical High School, Providence.

FINAL HONORS are awarded by the University to women on the same conditions as to men. See pages 140-142.

FINANCIAL AID TO STUDENTS

FELLOWSHIPS AND SCHOLARSHIPS

THE EMMA JOSEPHINE (AYER) ARNOLD ARCHAEOLOGICAL FELLOWSHIP, of ten thousand dollars, founded by Dr. Oliver H. Arnold in memory of his wife; the income is awarded, first, to a member of the graduating class, or, second, to a graduate of not more than ten years' standing, who is adequately prepared for post-graduate work in Archaeology, either Classical or Oriental, and who through scholarly attainments and by habits of zealous and diligent study gives great promise of a useful and successful career. The income is to be applied to the expenses of a one, two, or three year course in Archaeology either in the United States or in any foreign country. In case there is no applicant of sufficient merit among the graduates of the Women's College, the Fellowship is to be awarded for one year to a male graduate of the University who meets the above requirements. If there are no applicants for the use of this Fellowship in Archaeology, it is to be given for one year of post-graduate work in Higher Mathematics to a graduate of the Women's College who has exceptional ability and intends to follow the teaching of Mathematics as a profession. Applications for this Fellowship should be accompanied by academic records, testimonials as to character, ability, and health, specimens of written work, and a statement of the applicant's plan of work, and should be sent to the Dean of the Women's College before January 1.

THE ANNIE CROSBY EMERY ALUMNAE FELLOWSHIP was founded by the Alumnae Association of Brown University in 1914. The purpose of the Fellowship, maintained in honor of the second dean of the Women's College in Brown University, is to stimulate the intellectual life of the undergraduate students. It is awarded as an academic honor to a member of the graduating class on the basis of scholarly ability, excellence and breadth of general character, and good health. This Fellowship is to be used for a year of graduate study at any American university or college of acknowledged standing. It is not to

be applied for, but is awarded each year, if there is a candidate of sufficient excellence. The formal announcement of the award is made by the Dean at Chapel exercises.

THE OLIVER CROMWELL GORTON ARNOLD BIOLOGICAL FELLOWSHIP is awarded annually for post-graduate work to a student, man or woman, in accordance with requirements printed in the Catalogue for 1917-18, page 176.

LA STAZIONE ZOOLOGICA. Alumnae of Brown University are eligible to La Stazione Zoologica at Naples. A woman's table is maintained by the Naples Table Association. Application should be made to Mrs. Albert D. Mead, 283 Wayland Avenue, Providence.

THE ALBERT HARKNESS FUND provides free tuition at the American School of Classical Studies at Athens for adequately prepared graduates of Brown University. See page 120.

THE SARAH E. DOYLE SCHOLARSHIP, of one thousand dollars, which bears the name of its founder; the income is applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence English High School.

THE SARAH SUTTON SCHOLARSHIP, of one thousand dollars, founded by one of her daughters.

THE DANIELS SCHOLARSHIP, of twenty-five hundred dollars; the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College.

THE HOWARD SCHOLARSHIP, of one thousand dollars, presented by James Leland Howard.

THE THAYER SCHOLARSHIP, founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815; the income to be for the education of any young man or woman, a resident of Uxbridge, Mass., indorsed by the selectmen and superintendent of schools there, needing pecuniary aid, and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge, the income may go to any applicant from Massachusetts who fulfils the conditions.

THE MARIA STORRS PECK SCHOLARSHIP, of one thousand dollars, presented by her sisters.

THE ELI THAYER SCHOLARSHIP OF THE OREADS, of three thousand dollars, founded by the Oread Collegiate Institute Association, in memory of the Hon. Eli Thayer, the founder of the Institute; the income to be for the education of a deserving student in the Women's College, preferably a descendant of a former student of the Institute.

THE WILLIAM FULLER AYER SCHOLARSHIPS, two of two thousand dollars each,

one of one thousand dollars, founded by Dr. Oliver H. Arnold in memory of William Fuller Ayer; the income is given "to poor and deserving students showing diligence and marked ability in their collegiate studies."

THE DAVID W. HOYT SCHOLARSHIP, of twenty-seven hundred dollars, founded by the Alumni Association of the Providence English High School; the income to go each year to some young man or woman designated by the Principal or the Acting Principal of the Providence High School, subject to the approval of the President or the Acting President of Brown University.

THE SUSAN E. KING SCHOLARSHIP, of one thousand dollars, the income to be given preferably to a member of the First Baptist Church in Providence.

THE CLARA ELIZABETH COMSTOCK SCHOLARSHIP, of one thousand dollars, presented by Louise Dearborn Gage; the income to be applied toward paying the tuition of undergraduate students in the Women's College in Brown University.

THE CHURCHILL FUND, with an annual income of one hundred and fifty dollars, founded by the Rhode Island Women's Club; the income to go each year to students in the Women's College, preferably the daughter of a member of the Club.

Reduction in tuition fees is made by the College to a certain number of students, provided they are in need of such aid and maintain a high standard of scholarship. Application for reduction of tuition fees should be made in writing to the Dean of the Women's College on or before May 1.

THE LOAN FUNDS

A Loan Fund, established and maintained by the Rhode Island Society for the Collegiate Education of Women, is available for the use of Sophomores, Juniors, and Seniors, who may borrow moderate sums at a low rate of interest. Further information may be obtained from the Dean of the Women's College.

A Loan Fund, established and maintained by the Alumnae Association of Brown University, is available for the use of Freshmen, who, in the judgment of the Alumnae trustees of the Fund, shall show promise of scholarly attainment.

THE SELF-SUPPORT COMMITTEE

The Self-Support Committee has for its purpose the care of students who need to earn money. It aims to secure employment for students, to regulate as far as possible the compensation and the conditions of outside work, and to make the amount of such work commensurate with the physical and mental strength of the student.

THE LIDA SHAW KING DECENNIAL FUND

This Fund, of five thousand dollars, was founded by the Rhode Island Society for the Collegiate Education of Women in honor of Miss King's ten years of service as Dean. The income is to be used "for the entertainment of guests, and the maintenance of the social and cultural side of college life."

THE COLLEGE BUILDINGS

THE Women's College has a separate recitation hall, gymnasium, dormitories, basket-ball and tennis grounds ; but uses the various libraries, laboratories, and museums of the University. The grounds of the Women's College are an eighth of a mile from the University, with the main entrance at 172 Meeting Street. Pembroke Hall, the recitation building, contains the offices of the Dean and the Registrar, the chapel, recitation rooms, a reading room, a reference library, a study, and a lunch room. Sayles Gymnasium contains the office of the Instructor in Hygiene and Physical Education, a large hall with a gallery, two rest rooms, a room for corrective work, and a social room ; the basement is fitted with dressing rooms, lockers, bathrooms, needle and shower baths, and bowling alleys.

The College has two dormitories. Miller Hall, 118 Cushing Street, contains fifty-six single rooms for students, together with a library, and reception, dining, and sitting rooms. The charges for room and board vary from \$305 to \$315 a year. West Cottage, 98 Cushing Street, contains eight double rooms, one single room, and one room for three students, together with a reception room and a dining room. It is a coöperative house, the housework being done by the students. The charge for room and board is \$6 per week. Printed plans of the dormitories, together with other information, may be obtained from the Dean of the Women's College.

Students who cannot secure rooms on the campus are required to live in houses approved by the College.

PROVISION FOR WORSHIP, HEALTH, AND RECREATION

CHAPEL

CHAPEL services, with special speakers and with music furnished by the College choir, are held in Pembroke Hall four days a week. Attendance is required. One chapel service each month is in charge of the Christian Association.

HYGIENE

The Department of Hygiene and Physical Education aims to encourage habits of healthful living, with special emphasis upon proper posture, rational exercise, and rest. To this end all new students are required to attend lectures in Hygiene; conferences are held, physical examinations are given before the assignment of exercise and at the end of the year by the Instructors in Hygiene and by Dr. Frank T. Fulton, facilities are provided for exercise and rest and there is a reference library of books on practical hygiene. Students who, because of their organic condition or temporary disability, are unable to take the regular class work, are given restricted or corrective exercise, or prescribed periods in the rest room, as a substitute. Outdoor sports are supervised by the Instructors in Hygiene.

STUDENT ORGANIZATIONS AND ENTERTAINMENTS

The Christian Association conducts weekly meetings, generally addressed by some speaker of experience; provides classes for the study of the Bible and of missions; and maintains an Employment Bureau which works with the Self-Support Committee to secure employment for students. There are French, German, Philosophical, and Mathematical Clubs, which carry on their work in connection with the academic departments concerned. The College Forum gives an opportunity to all students for open discussion of the important questions of the day, under the leading of competent men and women. The Question Club, a society composed of the presidents of all the large student organizations, is helpful in forming opinion on matters of student interest. There are two undergraduate publications, *The Sepiad*, a literary periodical, and *The Brün Mael*, an annual review of College life. Interest in the drama and music is fostered by a dramatic society; by a glee club; by the annual presentation of an original Sophomore masque; and by an annual song contest between the classes. The Athletic Association coöperates with the Department of Hygiene by arranging bowling, tennis, and basket-ball tournaments. Class organizations, an all-college society,

and an advisory system, whereby members of the senior and junior classes are given responsibility for the welfare of the Freshmen, promote sociability and the spirit of helpfulness.

Lectures, concerts, and other entertainments are provided from time to time by the College.

FORM OF BEQUEST

All gifts, legacies, and bequests for the Women's College should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations," and designated for the use of the Women's College.

STUDENTS IN THE WOMEN'S COLLEGE

SENIORS : CLASS OF 1919

NAME		RESIDENCE
Helen Tucker Albro	A	<i>Peace Dale</i>
Marietta Ellen Beehan	A	<i>Providence</i>
Alice May Bentley	A	<i>East Greenwich</i>
Hazel Elsie Bliss	A	<i>Providence</i>
Esther Elizabeth Brintzenhoff	A	<i>Reading, Pa.</i>
Caroline Elizabeth Capwell	A	<i>Providence</i>
Mary Elizabeth Carroll	P	<i>New Bedford, Mass.</i>
Evelyn Chase	P	<i>Providence</i>
Madrid Loretta Collette	P	<i>Fisherville, Mass.</i>
Ruth Crawford Coombs	A	<i>East Providence</i>
Gladys Louise Crapo	P	<i>Taunton, Mass.</i>
Marion Alberta Day	A	<i>Providence</i>
Novella May Eastman	A	<i>Woonsocket</i>
Laurice Emelie Flagg	P	<i>Littleton, Mass.</i>
Martha de Meritte Gage	P	<i>Edgewood</i>
Edith Lee Goff	A	<i>Pawtucket</i>
Ruth Storer Green	A	<i>South Willington, Ct.</i>
Elizabeth Ellery Hammett	A	<i>Newport</i>
Hazel Dadmun Hartwell	A	<i>Providence</i>
Bessie Higgins	P	<i>Hastings-on-Hudson, N. Y.</i>
Elaine Virginia Hildrup	P	<i>Providence</i>
Hope Louise Humes	P	<i>East Providence</i>
Ruth Huntington	A	<i>Newport</i>
Marion West Johnson	A	<i>Arctic</i>
Madeline Cecelia Keefe	A	<i>Fall River, Mass.</i>
Ruth Chace Lester	P	<i>Providence</i>
Helen Frances McAndrews	P	<i>Providence</i>
Edna Ruth Macdonald	A	<i>East Providence</i>
Mary Gladys Mahoney	A	<i>Providence</i>
Vashti Celestine Maxwell	A	<i>Baltimore, Md.</i>
Elsa Marguerite Metzger	P	<i>Providence</i>
Sophie Mogilevkin	P	<i>Pawtucket</i>
Mildred Morse	P	<i>East Providence</i>
Miriam Fern Nuzum	A	<i>New Bedford, Mass.</i>
Theresa Elizabeth O'Brien	A	<i>Providence</i>
Mary Frances O'Rourke	A	<i>Providence</i>
Winifred Helen Olendorf	A	<i>Taunton, Mass.</i>
Ruth Dorothea Peterson	A	<i>Providence</i>

BROWN UNIVERSITY

NAME		RESIDENCE
Miriam Prentice	P	<i>Providence</i>
Elizabeth Jemima Ross	P	<i>South Seekonk, Mass.</i>
Edith Frances Smith	A	<i>Warren</i>
Mildred Josephine Smith	A	<i>Providence</i>
Ruth Sword	A	<i>Springfield, Mass.</i>
Florence Rose Thomae	A	<i>Attleboro, Mass.</i>
Ingeborg Mathilda Toll	P	<i>Manville</i>
Helen Jenks Vaughn	P	<i>Providence</i>
Una Vestella Whipple	A	<i>West Wrentham, Mass.</i>
Edna Elizabeth Whitford	P	<i>Centerville, Mass.</i>
Magel Craig Wilder	A	<i>Thornton</i>
Frances Woodworth Wright	A	<i>Providence</i>

JUNIORS : CLASS OF 1920

Marguerite Adelaide Armstrong	P	<i>Manton</i>
Dorothy Charlotte Baker	P	<i>Providence</i>
Kathleen Mary Barr	A	<i>Providence</i>
Dorothy Westervelt Bennett	P	<i>North Providence</i>
Mary Ball Blake	P	<i>Providence</i>
Edith Steele Bowen	A	<i>North Providence</i>
Ruth Stewart Brown	P	<i>New York, N. Y.</i>
Anna Pauline Butler	A	<i>Pawtucket</i>
Ruth Pearson Chandler	P	<i>Scranton, Pa.</i>
Mildred Frances Chase	A	<i>Providence</i>
Hope Arnold Cushing	A	<i>North Providence</i>
Mariette De Robbio	P	<i>Providence</i>
Rachel Tupper Easterbrooks	A	<i>Newport</i>
Minerva Rilla Gates	P	<i>Providence</i>
Zylpha Marie Goulett	P	<i>Stevenson, Ct.</i>
Florence Spence Harvey	P	<i>North Grafton, Mass.</i>
Constance McLean Hayden	P	<i>North Providence</i>
Dorothy Stephans Holt	A	<i>Pawtucket</i>
Mary Gertrude Honan	A	<i>Anthony</i>
Helen Hortense Kelly	A	<i>Woonsocket</i>
Grace Ethelena Lewis	P	<i>Providence</i>
Grace Mildred McCall	A	<i>Reading, Pa.</i>
Madonna Violet McDermott	A	<i>Providence</i>
Grace Heath Maurer	A	<i>Reading, Pa.</i>
Frances Morrill Merriam	A	<i>Providence</i>
Charlotte Anna Mikalson	A	<i>Methuen, Mass.</i>
Rosa Jessup Minkins	A	<i>Pawtucket</i>
Cecelia Madeleine Morin	A	<i>Willimantic, Ct.</i>

THE WOMEN'S COLLEGE

199

NAME		RESIDENCE
Helen May Newbury	P	<i>Palmer, Mass.</i>
Camelia Papalia	P	<i>Westerly</i>
Harriet Ellen Perry	A	<i>Providence</i>
Avis Miller Pillsbury	P	<i>Providence</i>
Elsie May Potter	A	<i>Natick</i>
Margaret Louise Pressey	A	<i>Ashton</i>
Dorothy Preston	P	<i>Providence</i>
Margaret Preston	A	<i>Providence</i>
Magdalen Margaret Quinn	A	<i>Phenix</i>
Marion Wood Raybold	A	<i>Providence</i>
Mary Augusta Rhodes	P	<i>Providence</i>
Mildred Elizabeth Runyeon	A	<i>Reading, Pa.</i>
Rosa Lee Schneider	A	<i>Providence</i>
Beatrice Alice Smith	P	<i>Pawtucket</i>
Mary Elizabeth Spencer	A	<i>Warwick</i>
Bernice Sylvester	A	<i>Brockton, Mass.</i>
Alice Tattrie	A	<i>Bristol</i>
Katharine Adelaide Torrey	P	<i>Providence</i>
Helen Kingsbury Wallace	P	<i>Bristol</i>
Miriam Elizabeth Weaver	A	<i>Central Falls</i>
Marjorie Isabel Webster	P	<i>Providence</i>
Nettie Wilsker	A	<i>Newport</i>
Marjorie Helen Woodward	A	<i>Springfield, Mass.</i>
Lucy Marie Young	P	<i>Brockton, Mass.</i>

SOPHOMORES : CLASS OF 1921

Sadie Denie Abrich	P	<i>Providence</i>
Pauline Alverson Barrows	A	<i>Providence</i>
Florence Allin Black	A	<i>Warren</i>
Avice Estella Bliss	A	<i>Providence</i>
Olive Flora Briggs	A	<i>East Greenwich</i>
Mabel Dorothy Brown	P	<i>Schenectady, N. Y.</i>
Dorothy Emmons Bryant	A	<i>Saylesville</i>
Fannie Irwin Campbell	A	<i>Phenix</i>
Lillian Hedwig Nathalie Carlen	P	<i>Providence</i>
Dorothy Chace	P	<i>South Dartmouth, Mass.</i>
Esther Barnes Chidsey	P	<i>New London, Ct.</i>
Helen Cooper	A	<i>Attleboro, Mass.</i>
Lena Lucile Crapo	P	<i>Taunton, Mass.</i>
Sarah Crovitz	P	<i>Cranston</i>
Mary Wilbur Cushman	P	<i>Fairhaven, Mass.</i>
Agnes Anne Davitt	P	<i>Providence</i>

NAME		RESIDENCE
Gertrude Priscilla Dimick	P	<i>Providence</i>
Florence Gertrude Eddy	P	<i>Providence</i>
Gertrude Eisenberg	P	<i>Pawtucket</i>
Lorraine Hunter Ferguson	P	<i>Providence</i>
Ruth Elizabeth Flemming	A	<i>Lonsdale</i>
Frances Alice Foos	P	<i>Reading, Pa.</i>
Ida Frant	A	<i>Newport</i>
Beatrice Luise Guildford	P	<i>Providence</i>
Constance Williams Haley	A	<i>Stonington, Ct.</i>
Mary Isabelle Halloran	A	<i>Natick</i>
Sarah Ann Hill	A	<i>Riverside</i>
Josephine Alice Hope	A	<i>Edgewood</i>
Esther Marie Johnson	A	<i>Springfield, Mass.</i>
Gladys Mae Jordan	P	<i>Swansea, Mass.</i>
Elizabeth Linden Kiley	A	<i>Pawtucket</i>
Anna Blanche La Fond	P	<i>Woonsocket</i>
Elsie Ellen Lord	P	<i>Providence</i>
Dorothy Loynes	A	<i>Springfield, Mass.</i>
Alice Margaret Mackenzie	P	<i>Arnold's Mills</i>
Dorothy Elaine Maxwell	A	<i>Slatington, Pa.</i>
Frances Mattiline Money	P	<i>Westerly</i>
Elisabeth Nightingale	P	<i>Moosup, Ct.</i>
Mary Greeley Alberta O'Neil	A	<i>Providence</i>
Margaret Comstock Packer	A	<i>Waterbury, Ct.</i>
Flora Belle Peirce	P	<i>New Bedford, Mass.</i>
Florence Elizabeth Pettibone	P	<i>New Milford, Mass.</i>
Lettie Harriet Robidou	P	<i>Ellis, Mass.</i>
Margaret Drowne Ross	P	<i>Providence</i>
Mollie Nyma Rubenstein	P	<i>Providence</i>
Leonilda Sansone	A	<i>Bristol</i>
Palmyra Rose Serpa	P	<i>Providence</i>
Susan Theresa Shea	A	<i>Brockton, Mass.</i>
Fannie Beatrice Smith	A	<i>Providence</i>
Olive Anne Taplin	A	<i>Springfield, Mass.</i>
Anna St. John Torrey	A	<i>Providence</i>
Virginia Lee Tourtellot	P	<i>Providence</i>
Adeline Bell Wetmore	A	<i>Watertown, Ct.</i>
Lois Wilbur	P	<i>New Bedford, Mass.</i>
Ida Wilsker	A	<i>Newport</i>

FRESHMEN: CLASS OF 1922

NAME		RESIDENCE
Dorothy May Abbott	A	<i>Providence</i>
Isabel Ross Abbott	A	<i>Providence</i>
Doris Elizabeth Allen	A	<i>Providence</i>
Frances Harding Arthur	A	<i>Elizabeth, N. J.</i>
Elizabeth Harriet Baker	A	<i>Farmington, Me.</i>
Norma Florence Barton	A	<i>New Milford, Ct.</i>
Helen Lincoln Borden	P	<i>Providence</i>
Kathleen Victoria Boyd	A	<i>Providence</i>
Laurine Wheaton Bradford	A	<i>Bristol</i>
Helen Sara Brintzenhoff	P	<i>Reading, Pa.</i>
Hope Elizabeth Burgess	A	<i>Rockland, Mass.</i>
Anna Elizabeth Cahir	A	<i>Providence</i>
Helen Capwell	P	<i>Providence</i>
Annie Strange Coggeshall	A	<i>Bristol</i>
Marian Helen Collins	P	<i>North Attleboro, Mass.</i>
Katherine Elizabeth Colton	A	<i>Providence</i>
Irene Isabel Crockett	P	<i>South Manchester, Ct.</i>
Barbara Louise Crossley	A	<i>Providence</i>
Elizabeth Foster Cushman	P	<i>Pawtucket</i>
Katherine Makepeace Curtis	P	<i>Greensboro, N. C.</i>
Madeline Glase Dickinson	P	<i>Reading, Pa.</i>
May Lillian Earl	P	<i>St. Paul, Minn.</i>
Rose Mary Finkelstein	A	<i>Waterbury, Ct.</i>
Helen Frances Gallivan	A	<i>Providence</i>
Lura Sperry Gray	P	<i>Waterford, Ct.</i>
Una Maude Greene	P	<i>Palmer, Mass.</i>
Malvina Mary Grieves	P	<i>Providence</i>
Phoebe Gates Hall	P	<i>Westerly</i>
Helen Veronica Hanley	A	<i>Warren</i>
Helen Catherine Harper	P	<i>Brockton, Mass.</i>
Mary Ruth Heady	A	<i>Springfield, Mass.</i>
Constance Alice Herlihy	P	<i>Providence</i>
Esther Wichnin Jaffee	P	<i>Central Falls</i>
Celia Kaufman	A	<i>Attleboro, Mass.</i>
Eunice Truman Keough	A	<i>Pawtucket</i>
Beatrice Rebecca Kershaw	A	<i>Pawtucket</i>
Dorothy Leavens	A	<i>Pawtucket</i>
Leota Nichols Lyon	A	<i>Bridgeport, Ct.</i>
Mary Catherine McCarthy	A	<i>Providence</i>
Miriam Josephine McCaughey	A	<i>Bristol</i>
Carolyn Ethel Macdonald	P	<i>East Providence</i>

BROWN UNIVERSITY

NAME		RESIDENCE
Angela Lucile McDonough	A	<i>Warren</i>
Edith Louise McEwen	A	<i>Providence</i>
Dorothy Metcalf McVay	P	<i>Carolina</i>
Mary Louise Mann	P	<i>West Suffield, Ct.</i>
Katherine Miller	A	<i>Springfield, Mass.</i>
Bernice Mosgrove	A	<i>Waterbury, Ct.</i>
Mildred Earle Mowry	A	<i>Smithfield</i>
Irene Nightingale	P	<i>Moosup, Ct.</i>
Gertrude May Niven	P	<i>Providence</i>
Helen Louise Osborne	A	<i>Bridgeton</i>
Helena Roma Papalia	P	<i>Westerly</i>
Margery Metcalf Peirce	A	<i>Belmont, Mass.</i>
Margaret Elizabeth Perry	A	<i>Greene</i>
Ruth Howard Preston	A	<i>Providence</i>
Mildred Mae Reed	A	<i>Thomaston, Me.</i>
Lucile Rogers	A	<i>Providence</i>
Marian Ellen Sampson	A	<i>Providence</i>
Helen Frances Sheehan	A	<i>Providence</i>
Dora Sherman	P	<i>Providence</i>
Eunice Rose Simpson	A	<i>Worcester, Mass.</i>
Carrie Frances Sisson	P	<i>Woodville</i>
Isabelle Swain Smith	A	<i>Providence</i>
Amey Steere	P	<i>Chepachet</i>
Helen Julia Thayer	A	<i>Woonsocket</i>
Nancy Alice True	A	<i>Providence</i>
Helen Lowe Urquhart	A	<i>Providence</i>
Claudia Wilson	P	<i>Conshohocken, Pa.</i>
Ruth Beardsley Wright	A	<i>Shelton, Ct.</i>

SPECIAL STUDENTS

Mary Borden Anthony	<i>Providence</i>
Louise Bulova	<i>New York, N. Y.</i>
Alice Mary Caulfield	<i>Providence</i>
Grace Margaret Coyne	<i>Tiverton</i>
Clara Elizabeth Craig	<i>Providence</i>
Mabel Gardner	<i>Providence</i>
Marion Richmond Gardner	<i>Providence</i>
Florence Eliza Griswold	<i>Providence</i>
Veronica Frances Holland	<i>Providence</i>
Christine Elizabeth Lemmo	<i>Media, Pa.</i>
Marthe Elise Malot	<i>Palaiseau, France</i>

THE WOMEN'S COLLEGE

203

NAME	RESIDENCE
Susanna Matteson	<i>Auburn</i>
Marie Thérèse Méléra	<i>Paris, France</i>
Esther Nolan	<i>Riverpoint</i>
Frances Semle	<i>Providence</i>
Stella Elizabeth Whittaker	<i>Woonsocket</i>

APPENDIX

THE BROWN UNIVERSITY TEACHERS' ASSOCIATION

THE Brown University Teachers' Association was organized in 1903. The purpose of the Association is "first, to further the mutual interests of Brown University and the schools preparing students therefor; and second, to promote the welfare of the Alumni of the University who are teachers." The sixteenth annual meeting of the Association was held at Brown University on Friday and Saturday, March 29, 30, 1918.

OFFICERS FOR 1918-19

President: STEPHEN SHELDON COLVIN, PH.D., *Professor of Educational Psychology, Brown University.*

Vice-Presidents: CHARLES HENRY FORBES, A.B., *Professor of Latin, Phillips Academy, Andover, Mass.;* ROLAND GEORGE DWIGHT RICHARDSON, PH.D., *Professor of Pure Mathematics, Brown University.*

Secretary: ALFRED HARRISON JONES, PH.D., *Assistant Professor of Logic, Brown University.*

Treasurer: CLARENCE HARTWELL MANCHESTER, A.M., *Assistant Principal, Technical High School, Providence.*

Executive Committee: THE OFFICERS OF THE ASSOCIATION AND THE PRESIDENT OF THE UNIVERSITY, *ex officio*; GEORGE HUMER ECKELS, A.M., *Principal, Technical High School, Providence;* CLARENCE WILLIAM BOSWORTH, A.M., *Principal, Cranston High School;* MRS. JUDITH HOPKINS CHILD, A.B., *East Providence High School.*

THE RHODE ISLAND ALPHA OF THE PHI BETA KAPPA SOCIETY

OFFICERS AND COMMITTEES FOR 1918-19

President: CHARLES CARNEY MUMFORD,† A.M.

Vice-President: PROFESSOR WALTER COCHRANE BRONSON, LITT.D.

Secretary: PROFESSOR JAMES QUAYLE DEALEY, PH.D.

Treasurer: WILLIAM WASHBURN MOSS, A.M.

Historian: PROFESSOR WILFRED HAROLD MUNRO, L.H.D.

Committee on Alumni and Honorary Membership: PROFESSOR WILLIAM THOMSON

† Deceased.

HASTINGS, A.M., ALBERT BENJAMIN WEST, A.M., ALEXANDER MANLIUS BURGESS, M.D., the Secretary, *ex officio*.

Committee on Arrangements: THE PRESIDENT, *ex officio*, EDWARD PERKINS JASTRAM, A.B., CLIFFORD HENRY GRIFFIN, M.D.

Committee on New Chapters: PROFESSOR JAMES QUAYLE DEALEY, PH.D., PROFESSOR NATHANIEL FRENCH DAVIS, LL.D., GEORGE LELAND MINER, A.B.

Committee on Nomination of Officers: CHESTER WILLARD BARROWS, A.B., FRANK TOURTELLOT EASTON, A.B., FRANK HAIL BROWN, A.B.

Auditor: CLAUDE RAYMOND BRANCH, A.B.

MEN ELECTED IN 1918

Alumni: ARCHIBALD CLAFLIN MATTESON, 1893, FRANK ARTHUR UPDYKE, †1893, JAMES HENRY HIGGINS, 1898.

Seniors: CLARENCE RAYMOND ADAMS, WALTER ADLER, RAY WILMOT BENTON, FLOYD CERELLE FAY, JR., HORACE CARPENTER JEFFERS, THOMAS MCINTYRE, JR., JAMES WALTER WILSON.

Juniors: THOMAS FRANCIS BLACK, JR., ZENAS RANDALL BLISS, JAMES SAVILLE EASTHAM, WILLIAM HENRY EDWARDS, FRED BARTLETT PERKINS.

WOMEN'S ORGANIZATION

President: MISS MARTHA W. WATT.

Vice-President: MRS. LEWIS A. WATERMAN.

Secretary-Treasurer: MRS. NORMAN L. McCausland, JR.

Committee on Arrangements: MRS. A. CLINTON CROWELL, *Chairman*, MISS SUSAN S. BRAYTON, MISS ANNE W. CARPENTER.

WOMEN ELECTED IN 1918

Seniors: HELEN AXTELL MOWRY, MARION ROBINS PFEIFFER, (MRS.) ANNIE TERRY WHITE, MARY CLARKE TUCKER, RUTH WAKEFIELD, CAROLYN LOUISA WRIGHT.

Juniors: HAZEL ELSIE BLISS, MARY ELIZABETH CARROLL, EVELYN CHASE, FRANCES WOODWORTH WRIGHT.

THE BROWN CHAPTER OF THE SOCIETY OF THE SIGMA XI

Students who have taken at least fifty-two semester hours in pure or applied science are, in their Senior year, eligible to membership in the honorary scientific society, Sigma Xi, provided that they "have given promise of marked ability in those lines of work which it is the object of the Society to promote."

† Deceased.

BROWN UNIVERSITY

OFFICERS AND COMMITTEES FOR 1918

President: Professor STEPHEN SHELDON COLVIN, Ph.D.

Vice-President: Mr. JAMES FRANKLIN COLLINS, Ph.B.

Recording Secretary: Professor JAMES ALEXANDER HALL, Sc.B.

Corresponding Secretary: Professor HENRY PARKER MANNING, Ph.D.

Treasurer: Professor CLINTON HARVEY CURRIER, A.M.

Auditor: Professor RAYMOND CLARE ARCHIBALD, Ph.D.

Board of Electors: Professor OTIS EVERETT RANDALL, Ph.D., Professor ALBERT DEFOREST PALMER, Ph.D., Professor ARTHUR EUGENE WATSON, Ph.D., Professor CHARLES WILSON BROWN, A.M., Professor HERBERT EUGENE WALTER, Ph.D., Professor ROWLAND GEORGE DWIGHT RICHARDSON, Ph.D., Professor HARDY CROSS, C.E.M., Professor HARLAN HARVEY YORK, Ph.D., Professor JAMES ALEXANDER HALL, Sc.B., Professor SAMUEL TOMLINSON ARNOLD, Ph.D.

Entertainment Committee: Professor ROBERT FOSTER CHAMBERS, Ph.D., Professor THEODORE HENRY BROWN, Ph.D., Professor SAMUEL TOMLINSON ARNOLD, Ph.D.

MEMBERS ELECTED IN 1918

Graduate Students: MARJORIE WESTON COOK, MARION PAIGE HARLEY, HELEN BARNES WHITING, HENRY FRANKLIN BAIN, ARTHUR EARL BARNARD, JAMES RUSSELL ESTY.

Seniors: CLARENCE RAYMOND ADAMS, ZENAS RANDALL BLISS, ALBERT EDWIN DILLINGHAM, WILFRED PICKLES, HARLEIGH VAN SLYCK TINGLEY, FREDERICK NEALE TOMKINS, JAMES WALTER WILSON.

THE ASSOCIATED ALUMNI

OFFICERS AND COMMITTEES FOR 1918-19

President: PAUL CHURCHILL DEWOLF, '05, Providence.

Vice-Presidents: FRED TARBELL FIELD, '00, Boston, Mass.; GEORGE ANTHONY GASKILL, '98, Worcester, Mass.

Secretary: ALBERT KNIGHT POTTER, '86, Providence.

Treasurer: EDWARD TUDOR GROSS, '01, Providence.

Executive Committee: ARCHIBALD CLAFLIN MATTESON, '93, WILLIAM CHACE GREENE, '75, HAROLD CRINS FIELD, '94, IRA BARROWS, '83, P. HOWARD BLANDING, '03.

Advisory Board: GEORGE FREMONT BEAN, '81, EDWARD OTIS STANLEY, '76, FRED HOMER WILLIAMS, '77, EDWARD HENRY WEEKS, '93, JOHN PALMER BARSTOW, '02, ALFRED BERTRAM MEACHAM, '96, the Secretary, *ex officio*, and representatives chosen by the Alumni Associations.

ALUMNI ASSOCIATIONS

BOSTON. *President*, Hermon C. Bumpus, '84. *Secretary*, C. Douglas Mercer, '06, 70 Kilby Street, Boston, Mass.

NEWPORT. *President*, William P. Sheffield, '77. *Secretary and Treasurer*, Alfred G. Langley, '76, 1 School Street, Newport, R. I.

WOONSOCKET. *President*, Wendell S. Mowry, '93. *Secretary*, Frederic Earle Whitaker, '88, 9 Longley Building, Woonsocket, R. I.

FALL RIVER. *Secretary*, J. Terence C. McGuire, '12, Fall River, Mass.

WORCESTER COUNTY SONS OF BROWN. *President*, Gardner K. Hudson, '96. *Secretary and Treasurer*, George E. Marble, n. '00, 72 Cambridge Street, Worcester, Mass.

CONNECTICUT VALLEY. *Secretary and Treasurer*, Arthur S. Gaylord, '02, Holyoke, Mass.

OLD COLONY. *President*, Charles C. Eaton, '01. *Secretary*, Harold A. Grout, '13, East Bridgewater, Mass.

NEW BEDFORD. *President*, Charles D. Dexter, '85. *Secretary and Treasurer*, Edward W. Holmes, '03, 661 County Street, New Bedford, Mass.

WASHINGTON AND NEW LONDON COUNTIES. *President*, Henry R. Palmer, '90, Stonington, Ct.

BRISTOL. *President*, Hon. Augustus O. Bourn, '55. *Secretary*, Howard R. Newman, '08, 81 Burton Street, Bristol, R. I.

LYNN. *President*, Arthur W. Pinkham, '02. *Secretary and Treasurer*, William D. Morrill, '10, 21 Arlington Street, Lynn, Mass.

NEW HAMPSHIRE AND VERMONT. *President*, George I. Hopkins, '75.

WESTERN MAINE. *President*, Seth A. Moulton, '00. *Secretary*, George S. Burgess, '12, Fidelity Building, Portland, Me.

NEW YORK CITY. *President*, Walter C. Wyckoff, '95. *Secretary*, Joseph K. Burwell, '13. c/o Equitable Trust Company, 37 Wall Street, New York City.

ALBANY. *President*, Russell Hathaway, '97. *Secretary and Treasurer*, Preston H. Porcheron, '02, 267 Quail Street, Albany, N. Y.

CENTRAL NEW YORK. *Secretary and Treasurer*, Fred R. Hazard, Jr., '14, Box 2, Syracuse, N. Y.

PHILADELPHIA. *President*, William E. Chalmers, '93. *Secretary*, Charles S. Shinn, '06, 1328 Chestnut Street, Philadelphia, Pa.

NEWARK. *Secretary*, Rev. Albert W. H. Thompson, 828 De Graw Avenue, Newark, N. J.

MARYLAND AND DISTRICT OF COLUMBIA. *President*, Edward C. Burnett, '90. *Secretary and Treasurer*, Reginald L. Brown, '03, 1736 G Street, Washington, D. C.

WILMINGTON. *President*, Richard M. Atwater, '64. *Secretary*, Robert G. Caswell, '11, Box 843, Wilmington, Del.

CLEVELAND. *President*, Newton S. Calhoun, '79. *Secretary and Treasurer*, Joseph B. Keenan, '10, The University Club, Cleveland, Ohio.

CINCINNATI. *President*, Eliab W. Coy, '58. *Secretary*, Samuel W. Smith, '80, 1805 Madison Road, Cincinnati, Ohio.

CHICAGO. *President*, Lieut.-Col. Noble B. Judah, '04. *Secretary and Treasurer*, Franklin I. Chichester, '08, Chicago, Ill.

MICHIGAN. *President*, Wilfred C. Leland, n. '92. *Secretary*, Theodore B. Farnsworth, '12, 614 Ford Building, Detroit, Mich.

MINNESOTA. *President*, Lucius P. Ordway, '83. *Secretary*, Harry W. Jones, '82, Lumber Exchange, Minneapolis, Minn.

ROCKY MOUNTAIN. *President*, George S. Holmes, '04. *Secretary*, Luke J. Kavanaugh, '98, 722 Ernest and Cranmer Building, Denver, Colo.

SOUTHERN CALIFORNIA. *President*, Richard W. Kirkley, '94. *Secretary*, Lawrence L. Larrabee, '09, Los Angeles, Cal.

PUGET SOUND. *President*, Claude E. Stevens, '01. *Secretary*, Moncrieffe Cameron, '00, 304 Central Building, Seattle, Wash.

ST. LOUIS. *President*, David S. H. Smith, '62. *Secretary*, Augustus L. Abbott, '80, 417 Pine Street, St. Louis, Mo.

THE ALUMNAE ASSOCIATION OF BROWN UNIVERSITY

OFFICERS FOR 1918-19

President: Miss MARION SHIRLEY COLE, '07, Providence.

Vice-President: Miss LAURA RICHARDS SHERMAN, '06, Providence.

Recording Secretary: Mrs. JAMES PEARSE, '99, Providence.

Corresponding Secretary: Miss LOUISE M. J. BROUGH, '97, 13 Pomona Avenue, Providence.

Treasurer: Miss EVA W. MAGOON, '11, 47 Dixon Street, Providence.

ALUMNAE CLUBS

NEW YORK. *President*, Miss Margaret Roys, '03. *Vice-President*, Miss Ann Thomas, '12. *Treasurer*, Miss Emma D. Lee, '09. *Secretary*, Miss Marion S. Stone, '12, 414 West 118th Street, New York City.

BOSTON. *President*, Mrs. Charles I. Gates, '99. *Vice-President*, Miss Marion Midgley, '05. *Recording Secretary and Treasurer*, Mrs. Arthur E. Norton, '00. *Corresponding Secretary*, Miss Charlotte Huntoon, *sp.* '13, 161 South Huntington Avenue, Boston.

CONNECTICUT VALLEY. *President*, Miss H. Louise Williams, '99. *Vice-President*, Mrs. Harold W. Paine, '08. *Secretary-Treasurer*, Miss Gladys Paine, '13, 168 Sigourney Street, Hartford, Ct.

ALBANY. *President*, Mrs. Frank D. Easterbrooks, '96. *Secretary*, Miss Lucy E. Bourn, '15, Albany Hospital, Albany, N. Y.

WASHINGTON. *President*, Miss Minnie W. Taylor, '13. *Vice-President*, Miss Margaret B. Church, '12. *Secretary-Treasurer*, Miss Annie E. Rathbun, '16. *Corresponding Secretary*, Miss Bertha A. Payson, '11, The Iowa, Washington, D. C.

TABLE SHOWING RENT AND LOCATION OF DORMITORY ROOMS

HOPE COLLEGE

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
1	South	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40, 43 and 44, can be used either as suites or as single rooms.	\$136
2	"	"	W. & S.		142
3	"	"	W.		136
4	"	"	E.		133
5	"	2	E. & S.		136
6	"	"	W. & S.		142
7	"	"	W.		136
8	"	"	E.		133
9	"	3	E. & S.		127
10	"	"	W. & S.		133
11	"	"	W.		127
12	"	"	E.		121
13	"	4	E. & S.		121
14	"	"	W. & S.		127
15	"	"	W.		121
16	"	"	E.		118
17	Middle	1	E.		133
18	"	"	W.		136
19	"	"	W.		136
20	"	"	E.		133
21	"	2	E.		133
22	"	"	W.		136
23	"	"	W.		136
24	"	"	E.		133
25	"	3	E.		121
26	"	"	W.		127
27	"	"	W.		127
28	"	"	E.		121
29	"	4	E.		118
30	"	"	W.		121
31	"	"	W.		121
32	"	"	E.		118
33	North	1	E.		133
34	"	"	W.		136
35	"	"	W.		148
36	"	"	E.		148
37	"	2	E.		133
38	"	"	W.		136
39	"	"	W. & N.		148
40	"	"	E. & N.		148
41	"	3	E.		121
42	"	"	W.		127
43	"	"	W. & N.		136
44	"	"	E. & N.		136
45	"	4	E.		118
46	"	"	W.		121
47	"	"	W. & N.		127
48	"	"	E. & N.		127

UNIVERSITY HALL

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
10	South	2	S. & W.	1	\$235
12	"	"	W.	<i>None</i>	125
13	"	"	W.	"	125
16	"	"	E.	"	110
17	"	"	E.	"	116
18	"	"	E. & S.	"	143
19	"	3	S. & W.	1	225
21	"	"	W.	<i>None</i>	122
22	"	"	W.	"	122
25	"	"	E.	"	110
26	"	"	E.	"	110
27	"	"	E. & S.	"	131
28	"	4	S. & W.	1	205
30	"	"	W.	<i>None</i>	110
31	"	"	W.	"	110
32	"	"	E.	"	107
33	"	"	E.	"	107
34	"	"	E. & S.	"	131
40	North	2	W.	"	125
41	"	"	W.	"	125
44	"	"	E. & N.	<i>None</i>	131
45	"	"	E.	"	116
46	"	"	E.	"	116
47	"	3	W.	"	116
48	"	"	W.	"	116
50	"	"	W. & N.	1	225
51	"	"	E. & N.	<i>None</i>	125
52	"	"	E.	"	110
53	"	"	E.	"	110
54	"	4	W.	"	110
55	"	"	W.	"	110
57	"	"	W. & N.	1	195
58	"	"	E. & N.	<i>None</i>	125
59	"	"	E.	"	107
60	"	"	E.	"	107

SLATER HALL

1	South	1	E. S. & W.	2	260.00
2	"	"	E. & W.	1	200.00
3	"	2	E. S. & W.	2	260.00
4	"	"	E. & W.	2	245.00
5	"	3	E. S. & W.	2	250.00
6	"	"	E. & W.	2	245.00
7	"	4	E. S. & W.	1	175.00
8, 9	"	"	W.	1	194.00
10	North	1	E. & W.	2	269.50
11	"	"	E. W. & N.	2	269.50

BROWN UNIVERSITY

SLATER HALL (*continued*)

No.	Division	Floor	Windows face	Bedrooms	Rent
12	North	2	E. & W.	2	\$269.50
14	"	"	W. N. E.	2	286.00
15	"	3	W. & E.	2	264.00
17	"	"	W. N. E.	2	275.00
18, 19	"	4	E. & W.	1	206.80
20	"	"	W. N. E.	1	176.00

CASWELL HALL

1	North	1	E. N. & W.	1	375
2	"	"	E. & W.	1	350
3	"	2	E. N. & W.	2	375
4	"	"	E. & W.	2	350
5	"	3	E. N. & W.	2	375
6	"	"	E. & W.	2	350
7	"	4	E. & N.	<i>None</i>	195
8	"	"	W. & N.	"	195
9	"	"	W.	"	165
10	"	"	E.	"	165
11	Middle	1	"	"	175
12	"	"	W.	"	175
13	"	"	"	"	175
14	"	"	E.	"	175
15	"	2	"	"	185
16	"	2	W.	"	185
17	"	"	"	"	185
18	"	"	E.	"	185
19	"	3	"	"	185
20	"	"	W.	"	185
21	"	"	"	"	185
22	"	"	E.	"	185
23	"	4	"	"	165
24	"	"	W.	"	165
25	"	"	"	"	165
26	"	"	E.	"	165
27	South	1	E. & W.	1	350
28	"	1	E. S. & W.	1	375
29	"	2	E. & W.	2	350
30	"	"	E. S. & W.	2	375
31	"	3	E. & W.	2	350
32	"	"	E. S. & W.	2	375
33	"	4	E.	<i>None</i>	165
34	"	"	W.	"	165
35	"	"	W. & S.	"	195
36	"	"	E. & S.	"	195

MAXCY HALL

<i>No.</i>	<i>Floor</i>	<i>Windows face</i>	<i>Rent</i>
313	3	E.	\$140
314	"	"	140
315	"	E. & S.	140
316	"	W. & S.	135
317	"	W.	135
318	"	"	135
319	"	"	135
320	"	"	135
321	"	W. & N.	135
322	"	E. & N.	140
323	"	E.	140
324	"	"	140
425	4	"	140
426	"	"	140
427	"	E. & S.	140
428	"	W. & S.	135
429	"	W.	135
430	"	"	135
431	"	"	135
432	"	"	135
433	"	W. & N.	135
434	"	E. & N.	140
435	"	E.	140
436	"	"	140

DIRECTORY TO THE DORMITORIES

Hope College, South Division, Rooms 1 to 16.

Hope College, Middle Division, Rooms 17 to 32.

Hope College, North Division, Rooms 33 to 48.

Maxcy Hall, Rooms 313 to 436.

Slater Hall, South Division, Rooms 1 to 9.

Slater Hall, North Division, Rooms 10 to 20.

University Hall, South Division, Rooms 1 to 34.

University Hall, North Division, Rooms 35 to 61.

Caswell Hall, North Division, Rooms 1 to 10.

Caswell Hall, Middle Division, Rooms 11 to 26.

Caswell Hall, South Division, Rooms 27 to 36.

SUMMARY OF REGISTRATION

January, 1919

GRADUATE STUDENTS

Men	38
Women	24
	62

UNDERGRADUATE MEN

Seniors	91
Juniors	120
Sophomores	154
Freshmen	231
Special Students	64
Total	660

THE WOMEN'S COLLEGE

Seniors	50
Juniors	52
Sophomores	55
Freshmen	69
Special Students	16
Total	242

GENERAL SUMMARY

Graduates	62
Undergraduate Men	660
Women's College	242
	964
Deduct for names counted twice	2
Total	962
Registered in Extension Courses, first semester, 1918-19, and not included above	397

Registration of Undergraduate Men ‡

	<i>Total September 1918</i>	<i>Left during 1st Term</i>	<i>Continued in 2d Term</i>	<i>Former Students who returned 2d Term</i>	<i>New Students 2d Term</i>	<i>Total January 1919</i>
Seniors	64	11	53	38		91
Juniors	116	20	96	24		120
Sophomores	162	27	135	16	3	154
Freshmen	278	68	210		21	231
Specials	185	129	56	1	7	64
Totals	805	255	550	79	31	660

‡ These statistics for undergraduate men show the numbers at the beginning of the first term when the University was under Government control, and at the beginning of the second term after the withdrawal of Government control and the demobilization of the S. A. T. C. and the Naval Unit.

PUBLICATIONS

The following list includes the official publications of the University with other pamphlets and periodical publications of interest to alumni and friends of the University.

Unless otherwise stated, copies of any of these publications may be obtained by applying to the Registrar, Brown University.

BULLETIN OF BROWN UNIVERSITY

This series includes the Annual Catalogue of Brown University; Annual Report of the President to the Corporation; Program of Commencement Week; Announcement of Courses for the following year; Announcement of Courses for the Women's College.

THE ANNUAL REPORT OF THE TREASURER

THE HISTORICAL CATALOGUE OF BROWN UNIVERSITY, 1764-1914

This Catalogue gives the names of all persons who have been connected with Brown University, with brief biographical data, and the present addresses of living graduates.

789 pages, cloth, \$1.25, delivered. Copies of the Historical Catalogue, 1764-1904, may still be obtained. Price \$1.00, delivered. Address the Keeper of Graduate Records, Brown University, and make checks payable to Brown University.

THE HISTORY OF BROWN UNIVERSITY, 1764-1914

By Walter Cochrane Bronsón, Litt.D., Professor of English Literature. Published in connection with the celebration of the one hundred and fiftieth anniversary of the founding of the University.

548 pages, cloth, \$2.00, delivered. Printed by D. B. Updike, at The Merrymount Press, Boston, Mass. Address the Library, Brown University, and make checks payable to Brown University.

THE SESQUI-CENTENNIAL OF BROWN UNIVERSITY, 1764-1914. A COMMEMORATION

Edited by William Vail Kellen, Ph.D., LL.D. A graphic account of the Celebration with all the addresses in full.

307 pages, cloth, \$2.50, delivered. Printed by D. B. Updike, at The Merrymount Press, Boston, Mass. Address the Library, Brown University, and make checks payable to Brown University.

THE CHARLES K. COLVER LECTURES

The American Conception of Liberty and the American Conception of Government. By Frank Johnson Goodnow, LL.D., President of Johns Hopkins University.

Price, fifty cents, delivered. Address the Library, Brown University, and make checks payable to Brown University.

Medical Research and Human Welfare. By William Williams Keen, M.D., LL.D.

Price \$1.25 net. Address Houghton Mifflin Co., Boston, Mass.

The Responsible State: a reëxamination of fundamental political doctrines in the light of world war, and the menace of anarchism. By Franklin Henry Giddings, LL.D.

Price \$1.00 net. Address Houghton Mifflin Co., Boston, Mass.

STUDENT LIFE AT BROWN

Published by Alumni.

A pamphlet of 28 pages, with illustrations.

THE BROWN ALUMNI MONTHLY

Published by Alumni.

Subscription price \$1.00 a year. Address Brown Alumni Monthly, Brown University.

THE WOMEN'S COLLEGE BOOKLET

Published by the College.

A pamphlet with illustrations. Address the Registrar, Pembroke Hall, Providence.

THE ALUMNAE RECORD

Published yearly by the Alumnae.

Address the Registrar, Pembroke Hall, Providence.

DIRECTORY OF OFFICERS AND STUDENTS
AND INDEX

DIRECTORY OF OFFICERS AND STUDENTS

The addresses given are in Providence, unless otherwise stated. If an officer is on leave of absence for the year, his name is bracketed. The following abbreviations are used: *Fr.* = Freshman; *So.* = Sophomore; *Jr.* = Junior; *Sr.* = Senior; *Sp.* = Special Student; *Gr.* = Graduate Student; *W.* = Women's College; *J. C. B. L.* = John Carter Brown Library; *H.* = Hope College; *U.* = University Hall; *S.* = Slater Hall; *M.* = Maxcy Hall; *C.* = Caswell Hall; *B.* = Brunonia Hall; 65 College = 65 College Street, Providence, etc. Where no state is mentioned, Rhode Island is to be understood. The number *precedes* the name of a street, but *follows* the name of a building.

ABBOT, C. W., <i>Prof.</i>	Warren	Allen, F. A. R., <i>Jr.</i>	48 College
ABBOTT, A. L., <i>Trustee</i>		Allen, G., <i>Sp.</i>	176 President Ave.
	415 Pine, St. Louis, Mo.	Allen, Mrs. R. L., <i>Gr.</i>	Apponaug
Abbott, C. F., <i>Jr.</i>	C. 9	Allen, R. W., <i>Fr.</i>	Wickford
Abbott, D. M., <i>W. Fr.</i>		ALLINSON, F. G., <i>Prof.; Director of</i>	
	98 Comstock Ave.	<i>Museum of Fine Arts</i>	163 George
Abbott, I. R., <i>W. Fr.</i>	18 Halsey	ALLINSON, Mrs. F. G., <i>Adv. Coun-</i>	
ABERCROMBIE, D. W., <i>Trustee</i>		<i>cil, W.</i>	163 George
	Worcester, Mass.	Allison, R. F., <i>So.</i>	
Abrich, S. D., <i>W. So.</i>			56 Warren Ave., E. Providence
	216 Bellevue Ave.	Almy, J. H., <i>Sr.</i>	81 Waterman
Adam, F. S., <i>So.</i>	56 Waterman	ANDERSON, T. D., <i>Sec'y of Corpora-</i>	
Adam, J., <i>So.</i>	U. 46	<i>tion</i>	2 Wellington Ter., Brookline,
Adams, C. R., <i>Gr.</i>		Mass.	
	17 Glenwood Ave., Eden Park	Anderson, W. R., <i>Jr.</i>	56 Waterman
Adams, G. H., <i>So.</i>	56 Waterman	André, Miss L., <i>Gr.</i>	118 Cushing
Adams, V. F., <i>Jr.</i>	C. 29	Anthony, M. B., <i>W. Sp.</i>	72 Manning
Addeo, A., <i>Jr.</i>	613 Douglas Ave.	APPLEGET, T. B., <i>Executive Secretary</i>	
Affleck, G. B., <i>So.</i>	4 Manning		175 Thayer
Ahern, F. B., <i>Fr.</i>	222 Jastram	APPLETON, J. H., <i>Prof. Emeritus</i>	
AHLERS, Mrs. M. G., <i>Director of</i>			209 Angell
<i>Grounds and Buildings, W.</i>		Appleton, R. A., <i>Fr.</i>	U. 13
	77 Lloyd Ave.	ARCHIBALD, R. C., <i>Assoc. Prof.</i>	
Albro, H. T., <i>W. Sr.</i>	19 Sumter		9 Charles Field
Allan, Miss D. C., <i>Gr.</i>		Armstrong, F. K., <i>Fr.</i>	H. 19
	100 Charles Field	Armstrong, J. F., <i>Gr.</i>	
Allen, D. E., <i>W. Fr.</i>	852 Elmwood Ave.		16 Academy Ave.

- Armstrong, M., *W. Jr.* 38 King, Manton
- Arnold, E. M., *So.* H. 27
- Arnold, Miss I. E., *Gr.* 468 Plainfield
- ARNOLD, S. T., *Asst. Prof.* B. 14
- Arthur, F. H., *W. Fr.* 125 Governor
- Ashbey, G. R., *So.* No. S.
- ASHTON, J. H., *Asst. Supt. Grounds and Buildings* 46 Pitman
- Assmus, E. F., *Jr.* 279 George
- ATWATER, R. M., *Trustee* Chadds Ford, Pa.
- Aumack, D. M., *Jr.* C. 9
- Axt, A. E., *Sr.* 119 Waterman
- Aylsworth, H. C., *Jr.* 10 Creighton
- Bailey, H. M., *Jr.* 81 Waterman
- Bainton, E. L., *Fr.* 40 Salina
- Baker, D. C., *W. Jr.* 249 Potter Ave.
- Baker, E. H., *W. Fr.* 118 Cushing
- Baker, W. E., *Fr.* 249 Potter Ave.
- Baldrige, R. R., *So.* S. 5
- Baldwin, K. B., *Jr.* Apponaug
- Barber, T. O., *Fr.* 28 Francis Ave., Auburn
- Barlow, H. B., *Jr.* No. S.
- BARNARD, A. E., *Instr.* 73 Verndale Ave.
- Barr, K. M., *W. Jr.* 122 Berkshire
- Barrows, P. A., *W. So.* 90 Chapin Ave.
- Barton, N. F., *W. Fr.* 118 Cushing
- BARUS, C., *Prof.; Dean of Graduate Dept.* 30 Elmgrove Ave.
- BARUS, Mrs. C., *Adv. Council, W.* 30 Elmgrove Ave.
- BATES, Miss M. E., *Instr., W.* 118 Cushing
- Bates, M. M., *Fr.* C. 4
- Baurenfeind, F., *Fr.* C. 36
- Bazar, M., *Sr.* 24 Mt. Vernon
- Beagan, E. F., *Jr.* C. 25
- Beagan, J. E., *Fr.* 140 Cypress
- Beagan, J. G., *So.* 140 Cypress
- Beattie, W. H., *Sr.* C. 36
- Beauregard, R. J., *Sp.* Harrisville
- Beck, R. D., *So.* H. 7
- Becket, W. F., *Sp.* 128 Cushing
- BEDFORD, A. C., *Trustee* 26 Broadway, New York, N. Y.
- Beehan, M. E., *W. Sr.* 30 Westwood Ave., Edgewood
- BENEDICT, G. W., *Assoc. Prof.* 16 John
- Bennett, D. W., *W. Jr.* 157 Olney Ave., No. Providence
- Bentley, A. M., *W. Sr.* E. Greenwich
- Berger, S. H., *Sp.* 76 West River
- Berryman, W. P., *Fr.* 36 George
- Besser, R. W., *Jr.* C. 29
- Bichwit, G., *So.* 183 Benefit
- Bidwell, F. C., *Fr.* No. S.
- Bird, Miss G. E., *Gr.* 129 Cypress
- Bishop, M. P., *So.* H. 20
- Bjorklund, A. E., *Fr.* 106 George
- Bjorklund, C. A., *So.* 106 George
- Black, F. A., *W. So.* 256 So. Main, Warren
- Black, L. W., *Jr.* 81 Waterman
- Black, S. T., *So.* 72 Brook, Pawt.
- Black, T. F., *Jr., Sr.* C. 16
- Blake, M. B., *W. Jr.* 48 Oriole Ave.
- Blake, W. B. I., *Fr.* C. 23
- BLANCHARD, Miss E. R., *Ref. Librarian* 591 Angell
- Bland, J. R., *Fr.* 40 Angell
- Bliss, A. E., *W. So.* 35 Boylston Ave.
- Bliss, H. E., *W. Sr.* 35 Boylston Ave.
- Bliss, Z. R., *Gr.* 246 Armington
- Blocher, P. B., *Fr.* U. 12
- Bloom, I., *Fr.* 30 Lippitt
- Bonoff, L. E., *Fr.* 183 Benefit
- Booth, F. E., *So.* No. S.
- Borden, H. L., *W. Fr.* 44 Lillian Ave.
- Borden, P. P., *So.* 81 Waterman
- Borneman, H., *Sr.* 259 Benefit
- Bosworth, C. W., *Gr.* 677 Park Ave., Auburn

- Boureau, H., *So.* C. 12
 Bowen, A. F., *Sr.* 81 Waterman
 Bowen, E. H., *Sr.* 81 Waterman
 Bowen, E. S., *W. Jr.* 182 Meeting
 Boyd, D. P., *Fr.* U. 51
 Boyd, K. V., *W. Fr.* 55 Faith
 Brace, L. E., *Fr.* H. 1
 Brack, F. W., *Fr.* 56 Waterman
 Bradford, L. W., *W. Fr.* 680 Hope, Bristol
 Breslin, J. E., *Fr.* 1494 Broad
 Brewer, H. G., *So.* H. 37
 Briggs, O. F., *W. So.* 182 Meeting
 Brigham, F. D., *Jr.* C. 17
 Brightman, W. T., Jr., *So.* 81 Waterman
 Brintzenhoff, E. E., *W. Sr.* 182 Meeting
 Brintzenhoff, H. S., *W. Fr.* 182 Meeting
 Brisk, A. L., *Jr.* C. 31
 Bromage, W. H., *Fr.* H. 38
 BRONSON, W. C., *Prof.* 140 Morris Ave.
 BRONSON, Mrs. W. C., *Adv. Council, W.* 140 Morris Ave.
 [Brooks, J. A., *Assoc. Prof.*] U. 1
 Brouillette, W. W., *Jr.* H. 22
 Brown, B. W., *Sr.* U. 57
 BROWN, C. W., *Assoc. Prof.* 37 Barnes
 Brown, E. M., *So.* 48 College
 Brown, K. B., *Fr.* H. 15
 BROWN, L., *Trustee* 16 Warren, Norwich, Ct.
 Brown, M. D., *W. So.* 118 Cushing
 Brown, P. M., *Fr.* 93 Wood
 Brown, R. D., *Fr.* U. 31
 BROWN, R. P., *Trustee* 13 Charles Field
 Brown, R. S., *Fr.* H. 8
 Brown, R. S., *W. Jr.* 118 Cushing
 BROWN, T. H., *Asst. Prof.* 79 Taber Ave.
 BROWNING, R. E., *Asst.* 88 Massachusetts Ave.
 Bryant, D. E., *W. So.* 156 Chapel, Saylesville
 Buerhaus, W. R., *So.* 175 Thayer
 BUGBEE, R. G., *University Physician* 24 Elton
 Bulkeley, W. L., *Fr.* U. 26
 Bullock, E. A., *Fr.* 40 Washington, Central Falls
 Bulova, L. R., *W. Sp.* 178 Power
 BUMPUS, H. C., *Fellow* Tufts College, Mass.
 Burdick, S. A., *Jr.* C. 1
 Burgess, H. E., *W. Fr.* 118 Cushing
 Burgh, R., *Fr.* 36 George
 Burke, T. F., *So.* 16 Berndt, Pawt.
 BURLINGAME, E. A., *Comptroller; Supt.* Grounds and Buildings 259 Benefit
 Burlingame, S. W., *Sr.* 15 Catalpa Rd.
 Burr, G. F., *So.* H. 39
 BURRAGE, H. S., *Fellow* Kennebunkport, Me.
 Burse, W. M., *Jr.* 257 Hope
 BURWELL, W. R., *Instr.* 5 R. I. Ave.
 Bush, T. H., *So.* 175 Thayer
 Buswell, F. W., *So.* H. 26
 Butler, A. P., *W. Jr.* 32 Gooding, Pawt.
 Butterworth, J., Jr., *Sr.* U. 17
 Cahill, C. H., *Fr.* 1261 Plymouth Ave., Fall River, Mass.
 Cahir, A. E., *W. Fr.* 44 Nichols
 Caldow, J. R., *Jr.* 175 Thayer
 Caldwell, L., *So.* C. 2
 Cali, F., *Sr.* 328 Branch Ave.
 Campbell, F. I., *W. So.* Phenix
 Campbell, H. A., *Jr.* C. 9
 Campbell, J. G., *Sp.* 41 George
 Campbell, J. H., *Fr.* 40 Angell
 Campbell, M., *Fr.* C. 29

- Campbell, R. E. E., *Sr.* 1547 Westminster
 Cannell, M. H., *Fr.* 168 Medway
 Cantor, M., *So.* 183 Benefit
 CAPRON, Miss B. G., *Sec'y to Dean, W.* 152 Elmgrove Ave.
 CAPRON, Miss F. E., *Sec'y to Dean* 152 Elmgrove Ave.
 Caputi, A. S., *So.* C. 30
 Capwell, C. E., *W. Sr.* 32 Reservoir Ave.
 Capwell, H., *W. Fr.* 32 Reservoir Ave.
 Card, L. E., *So.* H. 27
 Carey, H. F., *Jr.* 169 Meeting
 CARLBORG, Miss E. M. L., *Special Cataloguer* 124 Atlantic Ave.
 Carlen, L. H. N., *W. So.* 75 Raymond
 Carroll, M. D., *Gr.* 76 Beaufort
 Carroll, M. E., *W. Sr.* 125 Governor
 Caulfield, A. F., *Sp.* 144 Carpenter
 Caulfield, A. M., *W. Sp.* 144 Carpenter
 Cawl, F. R., *Gr.* Moses Brown School
 CHACE, A. B., *Trustee and Chancellor* 99 Power
 Chace, D., *W. So.* 73 Thackeray
 CHAFEE, Z., *Trustee* 5 Cooke
 Chaffee, H. A., *Fr.* U. 52
 Chalmers, P. M., *Fr.* 56 Waterman
 CHAMBERS, R. F., *Asst. Prof.* 104 Irving Ave.
 Champaigne, F. M., *Sp.* 26 Congdon
 Champlin, J. C., *So.* 65 College
 Chandler, R. P., *W. Jr.* 118 Cushing
 Chapman, H. E., *Fr.* 148 Linwood Ave.
 Chapman, J. W., *Sp.* C. 10
 Chapman, L. E., *Fr.* H. 28
 Chappell, H. W., *Gr.* 32 Custom House
 Chase, E., *W. Sr.* 50 University Ave.
 Chase, M. F., *W. Jr.* 24 Phillips
 Chase, N. B., *Sp.* 119 Clay, Central Falls
 Chesebro, J. A., *Fr.* U. 60
 Chesley, F. L., *Sr.* 40 Tucker Ave., Pawtuxet
 Chick, L. S., *Fr.* C. 6
 Chidsey, E. B., *W. So.* 118 Cushing
 Childs, H. E., *Gr.* 128 Waterman Ave., E. Prov.
 Chinn, C. W., *So.* H. 34
 Clafin, R. E., *Jr.* 56 Waterman
 Clapp, R. T., *Sr.* C. 16
 Cleveland, N. C., *Sp.* U. 60
 Cline, S. S., *So.* 65 College
 Clough, E. T., *Jr.* U. 17
 Cochrane, E. G., *So.* 333 Friendship
 Coggeshall, A. S., *W. Fr.* Bristol
 Cohen, C. L., *So.* 9 Belair Ave.
 Cohen, J., *Sr.* Box 299, Swansea, Mass.
 Cohen, J. I., *Sr.* 87 Lippitt
 Cohen, M. L., *So.* 7 Bugbee Court
 Cohen, S., *Gr.* 79 Glenham
 Colby, A. B., *So.* 54 College
 COLBY, E., *Trustee* 132 Harrison, W. Orange, N. J.
 Cole, C. H., *Sp.* 81 Willow
 Collette, M. L., *W. Sr.* 125 Governor
 [COLLIER, T. F., *Prof.*] U. 1
 COLLINS, A. C., *Trustee* Great Barrington, Mass.
 Collins, F. S., *So.* 54 College
 COLLINS, G. L., *Trustee* 22 Angell
 COLLINS, J. F., *Demonstrator* 468 Hope
 Collins, M. H., *W. Fr.* 118 Cushing
 Colton, K. E., *W. Fr.* 463 Pine
 COLVIN, S. S., *Prof.* 372 Lloyd Ave.
 Connett, E. F., *Sp.* 103 Williams
 Cook, L. D., *Sp.* 2 Morgan Ter., New Bedford, Mass.
 Cook, Miss M. W., *Gr.* 309 Olney
 Cook, R. E., *Jr.* 119 Waterman

- Cook, S. P., *W. Fr.* 405 Angell
 Coolidge, R. H., *So.* 56 Waterman
 Coombs, R. C., *W. Sr.*
 201 Mauran Ave., E. Providence
 Cooney, E. A., *Sp.* 153 Calhoun Ave.
 Cooper, H., *W. So.*
 900 Pleasant, Attleboro, Mass.
 Copeland, G. H., *Jr.* 453 Hope
 Copeland, R. W., *Fr.* 40 Angell
 Corcoran, L. M., *Sr.* C. 24
 Corcoran, T. G., *Fr.*
 6 Sanford, Pawt.
 CORNELL, T. A., *Instr.*
 180 Bayview Ave., Edgewood
 Coulter, B. N., *Jr.* 56 Waterman
 Covell, J. H., *Jr.* 109 Bowen
 Cox, E. T., *Gr.* 249 Doyle Ave.
 Coyne, G. M., *W. Sp.* Tiverton
 Craig, C. E., *W. Sp.* 475 Lloyd Ave.
 Crapo, G. L., *W. Sr.* 133 Messer
 Crapo, L. L., *W. So.* 118 Cushing
 Crawford, W. F., *So.* 15 Park, Pawt.
 Crawford, W. H., *So.* No. S.
 Crockett, I. I., *W. Fr.* 182 Meeting
 Crompton, I. S., *Jr.* 41 George
 Crosby, P. R., *Gr.*
 110 North Bend, Pawt.
 CROSBY, T., *Assoc. Prof.* The Minden
 Crosby, T. C., *Fr.* C. 3
 Crossley, B. L., *W. Fr.* 1366 Broad
 Crouch, W. J., *Jr.* 48 College
 Crovitz, S., *W. So.*
 172 Pleasant, Cranston
 CROWELL, A. C., *Assoc. Prof.*
 66 Oriole Ave.
 Cruise, R. B., *So.* Y. M. C. A.
 Csepely, J. J. A., *So.* 388 Valley
 Cuddeback, C. E., *So.* C. 33
 Cummings, M. J., *Jr., Sr.*
 77 Taber Ave.
 CURRIER, C. H., *Asst. Prof.*
 311 Wayland Ave.
 Curry, A. J., *Fr.* 228 Morris Ave.
 Curtis, D. H., *Jr.* 40 Angell
 Curtis, K. M., *W. Fr.* 289 Wayland
 Cushing, H. A., *W. Jr.*
 109 Smithfield Road, No. Prov.
 Cushman, M. W., *W. So.* 118 Cushing
 DAMON, L. T., *Prof.]* U. 1
 Daniels, W. M., *Fr.*
 148 Blackstone Blvd.
 DAVIS, Miss B. N., *Director of Chapel*
 Music, W. 8 Hamilton
 Davis, C. E., *So.* No. S.
 DAVIS, N. F., *Prof. Emeritus*
 159 Brown
 Davis, P. W., *Jr.* 49 Wilson
 Davis, S. L., *So.* 65 College
 Davis, W. E., *Gr.*
 High School, Pawtucket
 DAVISON, H. F., *Asst. Prof.*
 41 Sumner, Pawt.
 Davitt, A. A., *W. So.* 19 Arch
 Dawson, E. D., *So.* 70 Clarence
 Dawson, G., *Fr.* 36 Lillian Ave.
 Day, E. W., *Fr.* 26 Brooks, Cranston
 Day, L. S., *Fr.* 56 Waterman
 Day, M. A., *W. Sr.* 91 Adelaide Ave.
 Deady, H. E., *Fr.*
 17 Woonasquatucket
 DEALEY, J. Q., *Prof.* 872 Hope
 Dealey, J. Q., *Jr., Jr.* 872 Hope
 De Filippis, M., *So.* 153 Federal
 De Goey, C. R., *Fr.* 40 Larch
 DELABARRE, E. B., *Prof.*
 9 Arlington Ave.
 Denison, C. H., *Jr.* 56 Waterman
 De Robbio, M., *W. Jr.*
 433 Union Ave.
 Destremps, L. L., *Fr.* C. 26
 Deware, B. E., *Fr.* U. 58
 Dewart, W. L., *Jr.* 4 Manning
 DE WOLF, P. C., *Trustee* 14 Cole Ave.
 Dexter, R. E., *Sr.* 55 Vernon
 Dezso, J. F., *Fr.* 64 College

- Dick, J. B., *Fr.* 570 Weeden, Pawt.
 Dickinson, M. G., *W. Fr.* 118 Cushing
 DILLINGHAM, A. E., *Instr.* B. 14
 Dimick, G. P., *W. So.* 25 Elmgrove Ave.
 Dimitroff, V. T., *So.* City Hospital
 Dinkel, G. R., *Jr.* 4 Manning
 Distler, T. A., *Fr.* U. 13
 Dodge, H. A., *So.* H. 20
 Doll, C. G., *Fr.* 973 Douglas Ave.
 Dore, S. M., *Jr.* 119 Waterman
 Dorer, J. R., *So.* 54 College
 Dorin, J., *Jr.* S. 1
 DORMAN, W. R., *Trustee* 48 Wall, New York, N. Y.
 DOUGLAS, W. W., *Trustee* 107 Prospect
 Dove, W. B. K., *Jr.* H. 23
 Downing, C. M., *Gr.* 28 Standish Ave.
 Dows, A. J., *Sr.* 56 Waterman
 DOYLE, Miss S. E., *Adv. Council, W.* 119 Prospect
 Doyle, T. W., *Fr.* 129 Rochambeau
 Du Bois, J. E., *Sp.* 64 College
 Dunham, C. L., *So.* 81 Waterman
 DUNNING, J. C., *Asst. Prof.* University Club
 Durfee, A. C., *Fr.* U. 40
 Earl, M. L., *W. Fr.* 118 Cushing
 Easterbrooks, R. T., *W. Jr.* 125 Governor
 Eastham, J. S., *Sr.* C. 16
 Eastman, H. G., *So.* 175 Thayer
 Eastman, N. M., *W. Sr.* 344 Providence, Woonsocket
 Eck, F. E., *Sr.* 234 Vermont Ave.
 Eckels, G. H., *Gr.* 24 Mt. Hope Ave.
 Eddy, C. B., *So.* 52 Taber Ave.
 Eddy, C. M., *Fr.* 25 Payton
 Eddy, F. G., *W. So.* 25 Payton
 Eddy, G. S., *Sr.* 54 College
 Edgcomb, A. A., *Fr.* 234 Mauran Ave., E. Providence
 Edmonds, J. G., *Fr.* 56 Waterman
 Edson, N. W., 2d, *So.* 54 College
 Edwards, W. H., 2d, *Sr.* 54 College
 Eisenberg, G., *W. So.* 15 Humes, Pawt.
 Ellsworth, H. L., *Fr.* 2055 Broad, Edgewood
 Ely, L. C., *So.* 4 Manning
 Ely, W. G., Jr., *Jr.* 4 Manning
 Emmott, R. H., *Sp.* H. 2
 Emsley, Miss M. J., *Gr.* 1017 Hartford Ave., Johnston
 Enemark, C. J., *Fr.* 238 Gano
 ENGLISH, J. M., *Trustee* Newton Centre, Mass.
 Erickson, O. W. R., *Sr.* 56 Waterman
 ESTY, J. R., *Asst.* 517 Pleasant, Pawt.
 Eteson, F. C., *Fr.* C. 23
 Evans, C. L., *Jr.* 14 Young Orchard Ave.
 EVERETT, W. G., *Prof.* 550 Broad
 Farnsworth, C. J., *Sp.* No. S.
 Farrell, A. A., *Fr.* 1488 Westminster
 Farrell, G. P., *So.* 193 Summit, Pawt.
 Farrell, I. A., *Jr.* 180 Hedley Ave., Central Falls
 Farrell, R. J., *Fr.* 180 Hedley Ave., Central Falls
 Faulkner, H. A., *So.* H. 39
 Faunce, P. E., *Sr.* 180 Hope
 FAUNCE, W. H. P., *President* 180 Hope
 Faunce, W. M., *So.* 34 Tecumseh
 Fawcett, J. E., *Fr.* 4 Manning
 Feiner, A. H., *Fr.* 14 Star
 Feldman, A., *Fr.* 20 No. Davis
 Feldman, D. M., *Fr.* U. 45

- Fellows, L. B., *Fr.* 64 College
 FERGUSON, J. B., *Demonstrator* 369 Broad
 Ferguson, J. S., *Fr.* H. 38
 Ferguson, L. H., *W. So.* 50 Belair Ave.
 Fielding, E. L., *Sp.* 41 George
 FINCH, M. W., *Instr.* 159 Morris Ave.
 Finkelstein, R. M., *W. Fr.* 125 Governor
 Fish, C. J., *So.* 81 Waterman
 Fish, F. C., *Sp.* 22 Atlantic Ave.
 Fisher, R. J. C., *Sr.* 178 Colfax
 Flagg, L. E., *W. Sr.* 118 Cushing
 Flint, Miss E. M., *Gr.* 113 Oakland Ave.
 Foos, F. A., *W. So.* 118 Cushing
 Foote, L. R., *So.* 41 George
 Foote, R. N., *Sr.* 81 Waterman
 Forman, H. A., *So.* Box 48, Attleboro, Mass.
 Forstall, S., *So.* 4 Manning
 Forstall, W. C., *Fr.* 4 Manning
 FOSTER, Miss D., *Serial Clerk* 64 Beckwith, Auburn
 FOSTER, Miss M. M., *Audit Clerk* 25 East Manning
 FOWLER, H. T., *Prof.* 127 Lloyd Ave.
 Fox, S. A., *Sr.* 23 Pratt
 Frant, I., *W. So.* 182 Meeting
 Fraser, W. M., *Sr.* C. 30
 French, J. G., *Fr.* 4 Cory
 FRIZELL, A. B., *Lecturer* 63 Charles Field
 Fuller, Miss M. A., *Gr.* 79 Charles Field
 Fulton, M. N., *Jr.* 273 Bowen
 Furlong, J. J., *Fr.* 46 Benevolent
 Gaffney, A. A., *Fr.* U. 40
 Gage, M. de M., *W. Sr.* 119 Ocean Ave., Edgewood
 Gale, G. E., Jr., *Sp.* C. 34
 Gallivan, H. F., *W. Fr.* 83 Sorrento
 Gallup, F. S., *Sp.* 63 Arlington Ave.
 Gallup, H. E., *So.* C. 10
 Gallup, L. E., *Sp.* H. 6
 GAMMELL, W., *Trustee* 170 Hope
 GARDNER, H. B., *Prof.* 54 Stimson Ave.
 Gardner, M., *W. Sp.* 54 Stimson Ave.
 Gardner, M. R., *W. Sp.* 54 Stimson Ave.
 Gardner, W. R., Jr. 54 Stimson Ave.
 Gast, P. R., Jr. 309 Benefit
 Gates, L. O., *Fr.* 114 George
 Gates, M. R., *W. Jr.* 14 Kenwood
 Gavitt, L. E., *Sp.* No. S.
 Geddes, H., Jr., *Fr.* 674 County, Attleboro, Mass.
 Genensky, M., *Sp.* Brown Univ.
 Gerstenlauer, R., *Fr.* 107 Congress Ave.
 Gifford, S. B., Jr. 60 Charles Field
 Gilchrist, B. S., *Fr.* C. 31
 Gildersleeve, G. H., *Sr.* No. S.
 Gipfel, P. A., *So.* 13 Kirk
 Giura, A., *So.* S. 7
 Glover, M. H., *Fr.* 68 Hazard Ave.
 Goetz, J. B., *Fr.* 64 College
 Goff, E. L., *W. Sr.* 118 Cushing
 Goff, L. B., *Fr.* 276 Benefit
 Goggin, W. A., *Sp.* 2048 Broad, Edgewood
 Goldberg, B., *Fr.* 151 Benefit
 Goldberg, L., *So.* 13 Kirk
 Goldwater, A. H., *Fr.* 36 George
 Goodman, R. F., *So.* H. 39
 GORHAM, F. P., *Prof.* 151 Meeting
 Gorham, S., *Sp.* 151 Meeting
 Goss, H. E., *Sp.* C. 6
 Goulett, Z. M., *W. Jr.* 118 Cushing
 Gourse, H. A., *Sp.* 153 Benefit
 Grant, A. N., *Fr.* H. 33
 Graves, W. P., *Fr.* H. 16
 Gray, C. S., *Fr.* H. 45

- Gray, L. S., *W. Fr.* 118 Cushing
 Green, A. D., *Fr.* C. 19
 Green, F. O., *So.* 41 George
 Green, M. I., *Sr.* C. 31
 Green, R. S., *W. Sr.* 182 Meeting
 GREEN, T. F., *Trustee*
 Turks Head Bldg.
 GREENE, E. F., *Trustee*
 70 Kilby, Boston, Mass.
 Greene, E. P., *Fr.*
 190 County, Attleboro, Mass.
 GREENE, J. F., *Assoc. Prof.* 48 College
 Greene, R. D., *Fr.* 332 Olney
 Greene, R. H., *So.* 81 Waterman
 Greene, R. W., *So.* C. 18
 Greene, U. M., *W. Fr.* 125 Governor
 Greene, W. C., Jr., *Fr.* C. 6
 Greenough, W. B., Jr., *Fr.*
 203 Blackstone Blvd.
 Grieves, M. M., *W. Fr.*
 605 Harris Ave.
 GRIFFITH, E. C., *Acting Prof.*
 120 Waterman
 Grimm, G. W., Jr., *Jr.* C. 8
 Grimshaw, H. R., *Fr.* 17 Creighton
 Grindle, H. L., *So.* C. 14
 Griswold, F. E., *W. Sp.* 141 Prospect
 GRISWOLD, Miss G. T., *Loan Desk*
 Asst. 196 Blackstone Blvd.
 GUILD, F. T., *Registrar and Sec'y of*
 Faculty 9 Oriole Ave.
 Guildford, B. L., *W. So.* 118 Cushing
 Guillemette, D. V., *So.*
 70 Magill, Pawt.
 Gunning, T. C., *So.* H. 11
 Gwynne, A. E., *So.* 54 College
- Hackett, J. T., *Fr.* 40 Puritan
 Haley, C. W., *W. So.* 457 Friendship
 Haley, J. W., *Sr.* U. 55
 Hall, D. J., Jr. H. 47
 HALL, J. A., *Asst. Prof.* 13 Elton
 Hall, P. G., *W. Fr.* 118 Cushing
- Hall, R. P., *Jr.* 56 Waterman
 Hall, T. W., *Sr.* 81 Waterman
 Hall, W. W., *So.* C. 15
 Halloran, M. I., *W. So.* Natick
 Hambleton, H. L., *So.* H. 26
 Hammett, E. E., *W. Sr.* 118 Cushing
 Hammond, E. H., Jr., *Fr.*
 4 Manning
 HANSEN, A. H., *Instr.* 654 Hope
 Harder, A. J., *Gr.* 680 Hope, Bristol
 HARKNESS, A. G., *Prof.* 7 Cooke
 Harper, H. C., *W. Fr.* 118 Cushing
 Harriman, J. W., Jr.
 162 Wayland Ave.
 Harriman, W. W., *Gr.*
 Whitinsville, Mass.
 Harrington, A. H., *Gr.* Pontiac
 Harris, B. P., Jr., *Fr.* 16 Cabot
 Harris, R. G., *Gr.* U.55
 Hartwell, H. D., *W. Sr.*
 205 Washington Ave.
 Harvey, F. S., *W. Jr.* 118 Cushing
 Harvie, J. B., *Sp.* C. 26
 Haskell, E. J., *Sp.* 171 Power
 HASTINGS, W. T., *Asst. Prof.*
 Centredale
 Hatfield, B. M., *Fr.* 41 George
 Hayden, C. M., *W. Jr.*
 446 Woodward Road, No. Prov.
 Heady, M. R., *W. Fr.* 118 Cushing
 Hedberg, V. A., Jr., *Fr.* H. 5
 Heller, S., Jr. 33 Robinson
 Hennigar, R. O., *Fr.*
 32 Custom House
 Herlihy, C. A., *W. Fr.*
 58 Columbia Ave., Edgewood
 Hibbard, W. H., *Fr.* 56 Waterman
 Higgins, B., *W. Sr.* 204 Angell
 Higgins, W. H., *Sr.* 16 Norwich Ave.
 Higley, D. I., *Fr.* U. 44
 Hildrup, E. V., *W. Sr.* 8 De Foe Pl.
 Hill, A. D., Jr. 175 Thayer
 HILL, J. E., *Prof.* 86 Taber Ave.

- Hill, S. A., *W. So.*
27 Adams Ave., Riverside
- HILL, Miss S. E., *Asst. Registrar*
238 Gano
- Hilton, S. W., *Jr.* 54 College
- Hincks, H. S., *Gr.* 175 Thayer
- Hindmarsh, A. T., *Sr.* 81 Waterman
- Hischer, D. E., *So.* 140 Lenox Ave.
- Hoffman, F. W., *So.*
689 East Ave., Pawt.
- Holden, H. K., *Sp.* 383 Benefit
- Holland, M. V. F., *W. Sp.*
125 Governor
- Holt, D. S., *W. Jr.*
381 Pawtucket Ave., Pawt.
- Holt, W. S., *Fr.* 51 Benevolent
- Honan, F. J., *So.* 242 Ives
- Honan, M. G., *W. Jr.* Anthony
- Hood, E. V. R., *So.* 115 Waverly
- Hood, H. G., *Jr.* C. 17
- Hope, J. A., *W. So.*
119 Wentworth Ave., Edgewood
- Hopkins, C., *Fr.* 167 Angell
- Hopkins, R. A., *Jr.* H. 12
- HORR, G. E., *Fellow*
Newton Centre, Mass.
- Horvitz, A. H., *Fr.* 122 Howell
- Hoving, W., *Jr.* 65 College
- Howell, L. B., *Jr.* H. 43
- Hoxsie, N. C., *Jr., Fr.* 454 Pine
- HOYT, C., *Trustee*
55 Wall, New York, N. Y.
- Huggins, F. A., *So.* 100 Lancaster
- HUGHES, C. E., *Fellow*
96 Broadway, New York, N. Y.
- Humes, H. L., *W. Sr.*
174 First, E. Providence
- HUNKINS, C. H., *Asst. Prof.*
120 Waterman
- Hunter, R. M., *Jr.* No. S.
- HUNTINGTON, H. B., *Assoc. Prof.*
23 John
- Huntington, R., *W. Sr.* 182 Meeting
- Huntley, H. B., *Fr.*
19 Washington, Taunton, Mass.
- Huntoon, H. B., *Fr.* H. 8
- Hurley, L. F., *Sr.* H. 47
- Hylan, D. R., *Jr.* 34 Benevolent
- Icaza, E., *Fr.* U. 27
- Irons, Mrs. M. H., *Gr.* 141 Prospect
- Isaac, J. F., *Gr.* 81 Waterman
- Isé, H., *Fr.* 5 Lee
- Isserlis, S., *Fr.*
86 Spring, Fall River, Mass.
- Jackson, E. P., *Jr.* No. S.
- JACOBS, W. B., *Prof.* 310 Olney
- Jaffee, E. W., *W. Fr.*
411 Dexter, Central Falls
- Jeffers, A. B., *Sp.*
42 Illinois, Central Falls
- Jenckes, E. A., *Jr.* H. 28
- Jenks, R. P., *So.* 48 College
- JENNINGS, A. J., *Trustee*
Granite Block, Fall River, Mass.
- Jillson, W. H., *Fr.* H. 5
- JOHNSON, A. B., *Assoc. Prof.*
Rehoboth, Mass.
- Johnson, C. R., *Gr.*
161 Anthony, E. Providence
- Johnson, E. M., *W. So.* 118 Cushing
- Johnson, H. F., *Fr.* 573 Public
- Johnson, M., *Sp.* U. 16
- Johnson, M. W., *W. Sr.* 125 Governor
- Johnston, J. C., *Jr.* C. 25
- Johnstone, G. C., *Fr.* 64 College
- JONES, A. H., *Asst. Prof.*
101 Medway
- Jones, L. E., *Jr.* C. 3
- Jones, R. P., *So.* C. 11
- Jones, R. V., *Fr.* U. 31
- Jones, T. R., *So.* 81 Waterman
- Jordan, F. J., *Fr.* U. 13
- Jordan, G. M., *W. So.* Swansea, Mass.
- Jordan, L. W., *Sr.* S. 2

- Kaufman, C., *W. Fr.*
Richardson Ave., Attleboro, Mass.
- Keefe, M. C., *W. Sr.* 125 Governor
- KEEN, W. W., *Fellow*
1729 Chestnut, Philadelphia, Pa.
- KELLEN, W. V., *Fellow* 390 Commonwealth Ave., Boston, Mass.
- Kelly, H. H., *W. So.*
128 Temple, Woonsocket
- KENERSON, W. H., *Prof.*
100 Morris Ave.
- Kent, H. E., *Fr.* 83 Larch
- Keough, E. T., *W. Fr.*
367 Weeden, Pawt.
- Kershaw, B. R., *W. Fr.*
24 West Ave., Pawt.
- Kiley, E. L., *W. So.*
23 Park Pl., Pawt.
- Killian, F. E., *Fr.* 91 Tenth
- Kimball, H., *Gr.* 228 Ives
- Kimball, R. S., *So.* 41 George
- King, E. S., Jr., *Jr.* C. 16
- KING, H. M., *Trustee* 8 Cushing
- KING, Miss L. S., *Prof.; Dean, W.*
123 Waterman
- Kingsley, R. A., *Jr.* 175 Thayer
- Knapp, I. R., *Fr.* Seekonk, Mass.
- KNIGHT, Miss A. S., *Adv. Council, W.*
366 Broadway
- Knight, R. C., *So.* 119 Waterman
- Knowles, Miss M. E., *Gr.* 303 Benefit
- Koechling, C. D., *Sp.*
383 Broadway, Pawt.
- Kolman, E., *So.* 25 Staniford
- Kravetsky, H. M., *Fr.* U. 1
- La Fond, A. B., *W. So.*
125 Governor
- Lane, R. A., *Jr.* H. 36
- LANGDON, C., *Prof.* 86 Upton Ave.
- Langdon, H. G. T., *Sp.*
86 Upton Ave.
- Lanigan, L. P., *Jr.* U. 26
- Lanpher, E. J., *Sr.* 54 College
- Lapchiangian, G., *Fr.* 82 East, Pawt.
- LAPHAM, O., *Trustee* 183 Waterman
- Lapham, O. S., *Sp.* 92 Harrison
- Larry, L. S., *Fr.* H. 34
- Larson, H. K., *Fr.*
1036 York Ave., Pawt.
- Lawder, R. A., *Sr.* H. 42
- Lawson, H. A., *So.* City Hospital
- Lawton, C. H., Jr., *Jr.* C. 30
- Learned, A. A., *Sp.* 76 Camp
- Leavens, D., *W. Fr.* 118 Cushing
- Leeming, J. R., *Sr.* 175 Thayer
- Lemmo, C. E., *W. Sp.* 73 Brown
- LEONARD, Miss P. H., *Secretary to President*
44 Maynard, Pawt.
- Leonard, W. B., *So.* 119 Waterman
- Lester, R. C., *W. Sr.* 21 Poplar
- Lester, W. A., Jr., *Fr.*
119 Columbia Ave.
- Lewis, B. M., *Fr.* H. 47
- Lewis, G. E., *W. Jr.* 156 Cypress
- Liao, S. C., *Gr.* 94 Congdon
- Libby, F. W., *Fr.* 54 College
- Libby, S. D., *Fr.* 56 Waterman
- Lin, K. H., *Jr.* 94 Congdon
- LINCOLN, W. E., *Trustee*
815 Amberson Ave., Pittsburgh, Pa.
- Lindsay, R. B., *Jr.* S. 7
- Linley, N. D., *Fr.* H. 48
- Litchfield, A. K., *Sp.* H. 48
- LITCHFIELD, Miss H. P., *Order Clerk*
30 Beckwith, Auburn
- Littlefield, F. B., *Fr.* Natick
- Littlefield, R. W., *Fr.* Natick
- Lonergan, H. N., *So.*
712 Main, Pawt.
- Loomis, C. E., *Fr.* H. 1
- Lord, E. E., *W. So.*
234 Eastwood Ave.
- Lord, H. W., *Jr.* H. 11
- Lord, R. B., *So.* H. 11
- Lougee, F. A., *So.* U. 59

Lovenberg, C. N., *So.* 102 Irving Ave.
 Lownes, A. E., *Jr.* 119 Waterman
 Lownes, E. J., *Sp.* H. 35
 Loynes, D., *W. So.* 182 Meeting
 Lyman, R. E., *Fr.* U. 34
 Lyon, L. N., *W. Fr.* 118 Cushing

McAlevy, E. B., *Fr.*

399 Broadway, Pawt.

McAllister, L. P., *Fr.* U. 44

McAndrews, H. F., *W. Sr.* 44 Elton

McAuslan, B., *Fr.* 44 Grotto Ave.

McCarthy, M. C., *W. Fr.*

30 Remington Ave.

McCaughey, M. J., *W. Fr.*

864 Hope, Bristol

McColley, E. S., *Fr.*

119 Webster Ave.

McCormick, E. W., *Fr.* H. 30

McCraw, J. H., *Fr.* H. 45

McCurdy, B. H., *Fr.* 81 Parade

McDermott, M. V., *W. Jr.*

34 Wisdom Ave.

Macdonald, C. E., *W. Fr.*

158 Burgess Ave., E. Providence

Macdonald, E. R., *W. Sr.*

158 Burgess Ave., E. Providence

Macdonald, G. K., *So.* 56 Waterman

McDonough, A. L., *W. Fr.*

Church, Warren

McDougall, A. N., *Jr.* C. 29

MacDougall, R. B., *Fr.* H. 14

McEwen, E. L., *W. Fr.* 21 Warren

McGhee, J. A., *Jr.* 175 Camp

MacKay, N. E., *Fr.*

123 Wollaston, Auburn

McKelvie, H. M., *Fr.* 64 College

McKendall, B. W., *So.* 31 Denison

McKenney, R. C., *So.* H. 4

Mackenzie, A. M., *W. So.* 118 Cushing

Mackenzie, J. W., *Fr.*

120 Waterman

Mackintosh, B., *Jr.* 56 Waterman

McLAREN, Miss S. B., *Bookkeeper*

26 Cabot

McLean, A. B., *Fr.* U. 34

McMEEHAN, Miss A. I., *Asst. Cataloguer* 14 Pearl Ave., Rumford

Macmillan, E. S., *So.* 56 Waterman

McOsker, F. E. C., *Sp.* 144 Francis

McPeck, H. R., *Sr.* 54 College

McVay, D. M., *W. Fr.* Carolina

Macready, G. P., *Jr.*, *So.* 64 Larch

Madowsky, H., *Fr.* U. 16

Magnuson, H. E., *So.* C. 1

Mahoney, M. G., *W. Sr.*

9 Health Ave.

Makanna, J. A., *So.* H. 41

Mallory, H. B., *Fr.* 175 Thayer

Malot, M. E., *W. Sp.* 118 Cushing

Manchester, H. F., *Jr.*, *Sp.*

47 Adelaide Ave.

Manchester, P., *Fr.*

106 Elmgrove Ave.

Mangan, C. E., *Fr.*

1076 No. Main, Pawt.

Mann, M. L., *W. Fr.* Moosup, Ct.

MANNING, H. P., *Assoc. Prof.*

69 Weymouth

Marks, H. H., *So.* 642 Broad

Marks, W. A., *Fr.* 287 Brook

Marr, H. E., *Jr.* H. 42

MARSTON, E. L., *Fellow*

24 Broad, New York, N. Y.

Marto, J., *Fr.* U. 22

MARVEL, F. W., *Prof.* 281 Olney

MASON, K. O., *Instr.* U. 32

Mason, S. H., *Sr.* No. S.

Massaniso, F. P., *Fr.*

315 Atwells Ave.

MASSEY, E. R., *Gr.*, *Instr.*

203 University Ave.

Mathus, K. H., *Sp.*

39 Henry, Edgewood

Matteson, S. A., *W. Sp.*

170 Garden, Auburn

- Maurer, G. H., *W. Jr.* 118 Cushing
 Maxwell, D. E., *W. So.* 118 Cushing
 Maxwell, V. C., *W. Sr.* 66 Arnold
 Mayerson, H. S., *Fr.*
 480 Elm, Woonsocket
 MEAD, A. D., *Prof.* 283 Wayland Ave.
 Melera, M. T., *W. Sp.* 118 Cushing
 Merewether, A. F., *Fr.*
 245 Vincent Ave.
 Merriam, F. M., *W. Jr.* 281 Admiral
 Merrill, G. F., *Fr.* 175 Thayer
 Meserve, V. M., *So.*
 57 Princess Ave., Cranston
 METCALF, S. O., *Trustee*
 36 Exchange Place
 Metzger, E. M., *W. Sr.*
 52 Alumni Ave.
 Mikalsen, C. A., *W. Jr.* 182 Meeting
 Miller, A. E., *Fr.* H. 29
 Miller, G. D., *Sp.* 6 Peach Ave.
 Mills, C. S., *So.* H. 37
 Mills, H. C., *So.*
 396 Broadway, Pawt.
 Milton, L. D., *Jr.* H. 36
 Minard, E. A., *So.* C. 11
 Minkins, R. J., *W. Jr.*
 345 Glenwood Ave., Pawt.
 Mitchell, I. C., *Gr.* Valley Falls
 Mitchell, J. D., *Sp.*
 49 Humboldt Ave.
 MITCHELL, P. H., *Asst. Prof.*
 110 Waterman
 MITCHELL, R. M., *Asst. Prof.*
 90 Congdon
 Moglever, J. H., *Fr.*
 29 Pleasant, Pawt.
 Mogilevkin, S., *W. Sr.*
 80 Middle, Pawt.
 Molter, H. N., *Fr.*
 20 Bainbridge Ave.
 Money, F. M., *W. So.* 102 Meeting
 Moody, A. B., Jr., *Fr.* 98 Irving Ave.
 Moore, J. E. L., *Gr.* No. Scituate
 Moore, R. E., *So.*
 380 Pleasant, Rumford
 Morgan, C. M., *Fr.* 184 Howell
 Moriarty, W. V., Jr.
 32 Armstrong Ave.
 Morin, C. M., *W. Jr.* 118 Cushing
 Morrissey, R. H., *Fr.* 108 Gallatin
 Morse, M., *W. Sr.*
 152 Walnut, E. Providence
 Mosgrove, B., *W. Fr.*
 103 Maryland Ave.
 Moss, W., *Sr.* 5 Pemberton
 Moulton, H. R., *Sr.* 126 Pine, Pawt.
 Mowry, Miss H. A., *Gr.*
 Government Lab. M.
 Mowry, M. E., *W. Fr.* Smithfield
 Moxham, R. W., *Fr.* C. 21
 Muccio, J. J., *So.*
 26 Lyman Ave., Lymanville
 Mullane, R. H., *Sr.* C. 25
 MUNRO, W. H., *Prof. Emeritus*
 115 Butler Ave.
 MURDOCK, Mrs. J. S., *Adv. Council, W.*
 89 Keene
 Murphy, E. M., *Sr.* C. 25
 Murphy, J. F., *Sp.* 113 George
 Murphy, L. K., *Jr.* 279 Benefit
 Nelson, E. E., *Sr.* 64 College
 Nelson, G. N., Jr., *Fr.* C. 5
 Nelson, R. W., *So.* U. 21
 Newbury, H. M., *W. Jr.* 118 Cushing
 Newhard, C. S., *Fr.* 64 College
 Newman, O., *Fr.* 108 High, Pawt.
 Newton, K. H. N., *Fr.*
 292 California Ave.
 NICHOLS, C. L., *Fellow*
 38 Cedar, Worcester, Mass.
 Nichols, J. M., *So.*
 32 Custom House
 Nichols, R. H., *Sr.* C. 1
 Nickerson, M. A., *So.*
 733 Pleasant, Pawt.

Nightingale, E., *W. So.* 118 Cushing
 Nightingale, I., *W. Fr.* Moosup, Ct.
 Niven, G. M., *W. Fr.*

116 Pocasset Ave.

Nolan, E. F., *W. Sp.* Riverpoint
 Noll, H. W. E., *So.* C. 30
 North, H. C., *Jr.* H. 22
 Northcott, J. W., *Sp.* 2 Jenny
 Lind, New Bedford, Mass.

Noyes, F. I., *Jr.* U. 46
 Noyes, H. L., *So.* 39 Benevolent
 Noyes, R. G., *So.* No. S.
 Nuttall, A. H., *Fr.* U. 60
 Nuzum, M. F., *W. Sr.* 182 Meeting

O'Brien, T. E., *W. Sr.* 22 Wood
 O'Connor, E. G., *So.* 670 Angell
 O'Neill, J. A., *Sp.*

464 East Ave., Pawt.

O'Neill, M. G. A., *W. So.* 665 Broad
 O'Rourke, M. F., *W. Sr.*

103 Taber Ave.

Oden, O. G. H., *So.* 81 Waterman
 Ohlson, W. E., *Fr.* 189 Williams
 Olendorf, W. H., *W. Sr.* 118 Cushing
 Ordway, Miss H. F., *Gr.* 118 Cushing
 ORDWAY, S. H., *Fellow*

27 Williams, New York, N. Y.

Orteig, E., *Jr.* 119 Waterman
 Orwig, B. B., *Jr.* C. 14
 Osborne, H. L., *W. Fr.* Bridgeton
 Oxnard, B. F., *Fr.* 81 Waterman

Packer, M. C., *W. So.* 118 Cushing
 PADDOCK, Miss E. S., *Director of Dormitories* 118 Cushing

PALMER, A. DEF., *Assoc. Prof.*
 153 Congdon

Palmer, E. S., *So.* 153 Congdon
 Palmer, J. L., *Sr.* H. 40
 Palmquist, W. N., *So.*

454 Huntington Ave.

Papalia, C., *W. Jr.* 24 John, Westerly

Papalia, H. R., *W. Fr.* 182 Meeting
 Papalia, P. D., *Sp.* Box 175, Westerly
 Parker, Miss G. C., *Gr.* Barrington
 Parker, G. L., *Sr.* 98 Meeting

PARKER, Miss P., *Cataloguer*

5 Congdon

Parmenter, W. E., *Sr.* 157 Sixth
 Patterson, D. W. I., *Fr.* 48 College
 Paulson, F. H., *Jr.*

1289 Plainfield, Thornton

Paxton, W., *Fr.* U. 52

Pearce, H. W., *Sp.*

1644 Broad, Edgewood

PECK, W. T., *Trustee*

48 Princeton Ave.

Peckham, C. H., *Sr.* 119 Waterman
 Peckham, J. E., *Fr.* H. 2

Peirce, F. B., *W. So.* 118 Cushing

Peirce, J. A., *Sr.* No. S.

Peirce, M. M., *W. Fr.* 502 Broadway

Perkins, F. B., *Sr.* 55 So. Angell

Perlow, A. S., *Jr.* 9 Duncan Ave.

Perry, E. F., *Fr.* H. 18

Perry, H. E., *W. Jr.* 70 Glenham

Perry, M. E., *W. Fr.* 53 Forrest

Peters, H. J., *Sr.* 65 College

Peterson, H. W., *So.* U. 21

Peterson, R. D., *W. Sr.* 175 Williams

Pettibone, F. E., *W. So.* 118 Cushing

Phelan, A. J., *Fr.* C. 31

Phelps, E. J., *So.* 54 College

Phelps, H. A., *Jr.* U. 54

Phillips, C. R., *Jr.* S. 1

Phillips, E. A., *Sr.*

25 Campbell, Pawt.

Phillips, G. D., *Fr.* H. 17

Pierce, D. F., *Sr.* U. 53

Pierce, J. H., *Fr.* U. 53

Pieri, L. A. R., *Jr.* 773 Douglas Ave.

Pike, M. M., *So.* 138 Superior

Pillsbury, A. M., *W. Jr.*

217 Montgomery Ave.

Pinckney, A. D., *Fr.* H. 33

- Pinkham, C. H., *Fr.* C. 4
 Pinkham, D. R., *So.* 65 College
 Pittenger, H. L., *Sp.* U. 47
 PLACE, Mrs. C. M., *Stenographer*
 Shaw Ave., Edgewood
 Podrasnik, G. O., *Jr.* H. 25
 POLAND, W. C., *Prof. Emeritus*
 53 Lloyd Ave.
 Porter, E. S., *Sr.* U. 57
 PORTER, H. K., *Fellow*
 1600 I, Washington, D. C.
 POTTER, A. K., *Prof.* 212 Waterman
 Potter, E. M., *W. Jr.* Natick
 Potter, G. W., *So.* C. 25
 Pray, H. B., *Fr.* 13 Star, Pawt.
 Prentice, M., *W. Sr.* 178 Doyle Ave.
 Prentiss, W. B., *Sp.* U. 12
 Pressey, M. L., *W. Jr.* Ashton
 Preston, D., *W. Jr.* 7 Cushing
 Preston, M., *W. Jr.* 7 Cushing
 Preston, R. H., *W. Fr.* 7 Cushing
 Prud'hommeaux, Mrs. K. C., *Gr.*
 483 County, New Bedford, Mass.
 Pulver, H. L., *So.* 177 Howell

 Quinn, J. F., *Sp.* 35 Hilton, Pawt.
 Quinn, M. M., *W. Jr.* Phenix

 RADEKE, Mrs. G., *Adv. Council, W.*
 92 Prospect
 RANDALL, O. E., *Prof.; Dean of the*
University 65 Weymouth
 Raps, Mrs. M. L. R., *Gr.* 32 Oak
 Ratigan, R. V., *Jr.* 64 John
 Ray, M. W., *Sr.* 41 George
 Raybold, M. W., *W. Jr.*
 26 Lillian Ave.
 Reed, M. M., *W. Fr.* 11 Stansbury
 Regnier, A. J., *Fr.*
 613 Reservoir Ave.
 Reid, T. G., *Fr.* H. 16
 Remington, S. W., *Jr., Fr.* 7 Emeline
 Reynolds, F. C., *Fr.* 9 Sackett

 Rhodes, G. H., *Jr.* 260 Morris Ave.
 Rhodes, M. A., *W. Jr.*
 260 Morris Ave.
 Rice, D., *Gr.* 151 Session
 RICE, H. H., *Trustee*
 % Gen. Motor Corp., Detroit, Mich.
 Rice, W. L., *Sr.* No. S.
 RICHARDSON, R. G. D., *Prof.*
 44 University Ave.
 Richardson, W. M., *Sp.* Georgiaville
 Riker, J. W., *Fr.* H. 29
 Roaf, G. W., *So.* 119 Waterman
 Robbins, W. W., *Sr.* 175 Thayer
 Roberts, H. F., *Sr.* H. 19
 Robidou, L. H., *W. So.*
 West Barrington
 Robinson, D., *Sr.* Brown Univ.
 Robinson, W. B., *So.* 133 Mitchell
 Rogers, L., *W. Fr.* 8 Parkside Rd.
 Rogers, R. K., *Sr.* 259 Benefit
 Rogers, W. E., *Fr.* 103 Williams
 Rolland, W. P., *Fr.* C. 19
 Romano, A., *Jr.* 117 Spruce
 Rooney, W. F., *Jr.* H. 12
 Roraback, B. P., *Sp.* U. 1
 Rosa, J. C., *Gr.*
 2803 Pawtucket Ave., E. Prov.
 Rose, Miss C. B., *Gr.* 21 Cole Ave.
 Rose, R. I., *Fr.*
 49 Pierce Ave., Norwood
 Rosen, L. H., *Fr.* 73 Olney
 Ross, D. H., *Fr.* 40 Angell
 Ross, E. J., *W. Sr.* 125 Governor
 Ross, M. D., *W. So.* 41 Hillside Ave.
 Ross, W. J., *Sr.* 244 Plain
 Round, Miss E. M., *Gr.* 139 Superior
 Rowley, S. L., *Fr.* C. 20
 Rubenstein, M. N., *W. So.* 89 Orms
 Runyeon, M. E., *W. Jr.* 118 Cushing
 Rusby, M. H., *So.* C. 10
 Russell, A. G., *Fr.* H. 13
 Russell, W. W., *Gr.*
 651 Warren Ave., East Providence

- Russo, A. J., *Sr.* C. 24
 Ryno, S. R., *Fr.* 4 Manning
 Ryon, C. O., *Sr.* 64 College
 Ryon, W. E., Jr., *Fr.* 64 College
- SAGE, J. D., *Trustee* Cincinnati, O.
 St. George, E. F., *Fr.* H. 31
 Salk, L., *So.* 249 Plain
 Sallet, J., *So.* 285 County, Attleboro, Mass.
- Sam, V. H., *Fr.* 235 Sackett
 Sampson, M. E., *W. Fr.* 259 Ohio Ave.
- Samson, S. G., *So.* 81 Waterman
 Sansone, L., *W. So.* 117 Bradford, Bristol
- Santangini, E. F., *So.* 100 Knight
 Sarle, R. H., Jr. 263 Morris Ave.
 Sarles, J. E., *Fr.* H. 13
 Schanck, W. K., *Fr.* U. 47
 Scharf, J. W., *Sp.* H. 35
 Schneider, R. L., *W. Jr.* 24 Mawney
 Schoeneweiss, F. E., Jr. H. 4
 SCOTT, A. L., *Trustee* 60 Federal, Boston, Mass.
- Scott, P. E., *Sr.* 56 Waterman
 Seaman, W., *Fr.* 42A Carrington Ave.
 Searles, H. R., *Sr.* 41 George
 Sellen, A. G., *Sr.* 61 Child, Warren
 Semle, F., *W. Sp.* 7 Douglas Ave.
 Serpa, P. R., *W. So.* 26 Brewster
 Serven, J. E., *Fr.* 4 Manning
- SHAPLEY, J., *Instr.* 309 Huntington Ave., Boston, Mass.
- SHARPE, H. D., *Trustee* 87 Prospect
 Shaughnessy, C. B., *Sr.* Uxbridge, Mass.
- Shaw, D. S., Jr. 276 Benefit
 Shawcross, H. F., *Sr.* Greystone
 Shay, W. D., Jr. C. 25
 Shea, S. T., *W. So.* 118 Cushing
 Sheehan, H. F., *W. Fr.* 2102 Broad, Edgewood
- Sheeran, L. A. B., *So.* 119 Merrill
 Shefelman, S. H., *So.* H. 7
 Sheffield, S. S., *Sr.* 54 College
 SHEFFIELD, W. P., *Trustee* Newport
 Sheldon, H. L., *So.* Phenix
 Sheldon, W. H., Jr., *Sr.* 52 Main, Edgewood Sta.
- Sherman, D., *W. Fr.* 72 Comstock Ave.
 Sherman, M. M., *Fr.* 11 Cherry
 Shulman, A. I., *So.* 2 Staniford
 Shurtleff, B. L., *Fr.* 31 Benevolent
 Shurtleff, M. C., *Sp.* 31 Benevolent
 Sikes, A. B., *Fr.* C. 20
 Simpson, E. R., *W. Fr.* 182 Meeting
 SIOUSSAT, ST. G. L., *Prof.* The Minden
 Sisson, C. F., *W. Fr.* 118 Cushing
 Skerrye, W. B., *Sr.* H. 43
 Slade, B. H., *Sr.* 81 Waterman
 Slavin, G. T., *Sp.* 31 Mary Ave., E. Providence
- SLOCUM, F., *Prof.* 44 University Ave.
 Smith, B. A., *W. Jr.* 320 Lonsdale Ave., Pawt.
- Smith, E. F., *W. Sr.* 161 Water, Warren
 Smith, E. W., Jr. No. S.
 Smith, E. W., *Fr.* C. 35
 Smith, F. B., *W. So.* 3134 Pawtucket Ave., E. Prov.
- Smith, G. D., *Fr.* C. 34
 Smith, H. S., *So.* 81 Waterman
 Smith, I. S., *W. Fr.* 143 Indiana Ave.
 Smith, J., Jr. 3130 Pawtucket Ave., E. Prov.
- [SMITH, K. K., *Asst. Prof.*] U. 1
 Smith, L., *Sr.* 93 Orms
 Smith, L. R., Jr. C. 29
 Smith, M. J., *W. Sr.* 422 Plainfield
 Smith, S. W., *Sr.* 54 College
 Soderback, R. E., *Fr.* 117 Chester Ave.
- Somes, A. D., *Fr.* 10 Congdon

Sowell, N. B., <i>So.</i>	U. 59	Taber, C. I., <i>Fr.</i>	56 Waterman
Spencer, M. E., <i>W. Jr.</i>	Warwick	Taber, L. R., <i>Sr.</i>	81 Waterman
SPERRY, Miss M., <i>Gr., Tutor Entr.</i>		Talbot, J. C., Jr., <i>So.</i>	65 College
Math., <i>W.</i>	Oak Lawn	Tannenbaum, S., <i>Sr.</i>	389 So. Main
Squiers, A. L., <i>Fr.</i>	199 Angell	Taplin, O. A., <i>W. So.</i>	118 Cushing
Stackpole, C., <i>Fr.</i>	H. 15	Tasker, J. B., Jr., <i>Jr.</i>	H. 28
Standish, R. D., <i>So.</i>	H. 18	Tattrie, A., <i>W. Jr.</i>	125 Governor
STANTON, Miss E. B., <i>Registrar, W.</i>		Taylor, A. C., <i>So.</i>	788 Hope
	706 Hope, Bristol	Teets, P. E., <i>Sr.</i>	65 College
Stanton, R. E., <i>Sp.</i>	20 Hammond	Temkin, S., <i>Sr.</i>	154 Prospect
Stearns, H. B., <i>So.</i>	168 Bowen	Tennenbaum, L., <i>Fr.</i>	H. 32
STEDMAN, C. S., <i>Trustee</i>		Thayer, H. J., <i>W. Fr.</i>	118 Cushing
	51 State, Albany, N. Y.	Thomae, F. R., <i>W. Sr.</i>	118 Cushing
Steere, A., <i>W. Fr.</i>	Chepachet	Thomas, A., <i>Jr.</i>	Biol. Laboratory
Steere, Miss N., <i>Gr.</i>		Thomas, F. W., <i>Sr.</i>	4 Manning
	10 Pleasant, Whitinsville, Mass.	Thompson, F. A., <i>Jr.</i>	48 College
Stephens, E. R., <i>Jr.</i>	48 College	Thoren, A. S., <i>Sr.</i>	119 Waterman
Stephenson, P. T., <i>So.</i>	65 College	Thornton, E. L., <i>So.</i>	
Stetson, D. E., <i>Fr.</i>	U. 22		91 Centre, Pawt.
Stevens, J. R., <i>So.</i>	66 Hudson	Thurber, W. N., <i>Fr.</i>	44 Halsey
Stockwell, L. E., <i>Sr.</i>	56 Waterman	TIERNAN, Miss A. E., <i>Clerk</i>	
Stone, Miss M. W., <i>Gr.</i>			110 Butler Ave.
	73 Blackstone Blvd.	Tindall, H. W., <i>Sr.</i>	65 College
Streker, E. T., <i>Fr.</i>	62 Sumter	Tinker, H. L., <i>So.</i>	S. 5
Stringham, E. B., <i>Jr.</i>	C. 33	Toll, I. M., <i>W. Sr.</i>	Manville
Stuart, C. A., <i>Sr.</i>	54 College	TOMPKINS, F. N., <i>Instr.</i>	
Studley, R. P., <i>Fr.</i>			35 White, Pawt.
	28 Homestead Ave.	Toothaker, O. H., <i>Gr.</i>	
Sullivan, A. J., <i>Sr.</i>	C. 24		Fairhaven, Mass.
Sullivan, D. T., <i>Sr.</i>	C. 25	Torrey, K. A., <i>W. Jr.</i>	238 Williams
Sullivan, J. J., <i>Sp.</i>	59 Garden, Pawt.	Tourtellot, V. L., <i>W. So.</i>	
Sunderland, H. N., <i>So.</i>	81 Waterman		121 Messer
Sutherland, F. C., <i>Fr.</i>		Towle, W. A., Jr., <i>So.</i>	48 College
	97 Blackstone Blvd.	Tracy, H. F., <i>Fr.</i>	H. 31
Sweet, E. L., <i>So.</i>	145 Congress Ave.	Tripp, A. F., <i>Fr.</i>	U. 51
Sweet, F. E., <i>Sp.</i>	73 Holden	Trubek, M., <i>Fr.</i>	C. 22
Sweet, H. C., <i>Jr.</i>	H. 39	True, N. A., <i>W. Fr.</i>	96 Evergreen
Sweet, T. L., <i>Fr.</i>	46 Adelphi Ave.	Tucker, E. H., <i>Jr.</i>	121 Messer
SWEETLAND, C. S., <i>Trustee; Treasurer</i>		Tucker, P. W., <i>Gr.</i>	
	9 Orchard Ave.		14 Lexington Ave., Eden Park
Sword, R., <i>W. Sr.</i>	118 Cushing	Tucker, S. H., <i>Fr.</i>	121 Messer
Sykes, R. G., <i>So.</i>	65 College	Turoff, H., <i>So.</i>	
Sylvester, B., <i>W. Jr.</i>	118 Cushing		R. F. D. No. 3, Attleboro, Mass.

- Underwood, H. W., *Gr.* Rogers Hall
 Underwood, R. J., *Fr.* 573 Public
 Upton, Miss M. F., *Gr.* 30 Forest
 Urquhart, H. L., *W. Fr.* 21 Jewett
- Valentino, A. G., *Fr.* 157 Knight
 Van Benschoten, F., *Sp.*
 27 Fair, Pawtuxet
 Vance, T. F., Jr., *Jr.* 48 College
 Vaughn, H. J., *W. Sr.* 72 Portland
 Vinal, W. G., *Gr.* 52 Brownell
- Wagner, E. A., *Fr.* H. 14
 Walcott, W. M., *Fr.* Greenville
 Walker, J. J., *Sr.*
 200 Atlantic Ave., Lakewood
 Wallace, H. K., *W. Jr.*
 85 Union, Bristol
 Walmsley, E. C., *Fr.*
 61 Myrtle, Pawt.
- Walsh, E. J., *Jr.*
 21 Observatory Ave.
 Walsh, J. A., *Sp.* H. 30
 Walsh, J. N., *So.* 86 Pinehurst Ave.
 WALTER, H. E., *Assoc. Prof.*
 67 Oriole Ave.
 WARE, G. W., *Organist and Director*
of Chapel Music 72 Charles Field
 Warner, S. G., *Jr.* H. 40
 Waterman, B. A., *Jr.* 81 Waterman
 WATSON, A. E., *Asst. Prof.*
 30 Congdon
 Watson, R. L., *Jr.* S. 7
 Watson, T. C., *Sr.* No. S.
 Watt, C. A., *Jr.*
 192 Anthony, E. Providence
 Weaver, M. E., *W. Jr.*
 36 Illinois, Central Falls
 Webb, G. H., Jr., *Fr.* 14 George
 Weeks, J. H., *Sr.* 81 Waterman
 Welch, E. C., *Jr.* 276 Benefit
 Welch, G. T., *Sr.* H. 25
 Wells, S., Jr., *Fr.* H. 46
- Wentworth, C. D., *Jr.* 269 Thayer
 West, H. A., *So.* City Hospital
 West, J., *Sp.* Longmeadow
 Wetmore, A. B., *W. So.* 182 Meeting
 Wheaton, J. L., *So.* H. 32
 Whipple, H. A., *Jr.* 140 Francis
 Whipple, S. P., *Jr.* 140 Francis
 Whipple, U. V., *W. Sr.* 118 Cushing
 Whitcomb, L., *Fr.* C. 35
 White, J. J., Jr., *So.* C. 12
 White, M. P., *Jr.* 65 College
 White, Miss O. C., *Gr.* 144½ Prospect
 Whitford, D. E., *Jr.* U. 54
 Whitford, E. E., *W. Sr.* 228 Angell
 WHITING, Miss H. B., *Instr., W.*
 118 Cushing
 WHITMAN, Miss E. W., *Resident at West*
Cottage 182 Meeting
 Whitman, H. H., *Sr.* 64 College
 Whittaker, S. E., *W. Sp.*
 46 Summer, Woonsocket
 Whittemore, A. L., *Fr.* U. 58
 Whorf, J. H., *Fr.* 81 Waterman
 Wight, E. A., *Sr.* S. 1
 Wilbur, D. E., *Sp.* U. 45
 Wilbur, L., *W. So.* 118 Cushing
 Wilcox, G. G., *Jr.* C. 30
 Wilde, A. H., *Sp.*
 Box 31, So. Swansea, Mass.
 WILDE, E. E., *Lecturer*
 142 Irving Ave.
 Wilder, M. C., *W. Sr.* Thornton
 Wilder, W. W., *Sr.* Thornton
 Wiley, R. S., *Sp.* 192 Lippitt
 Williams, W. F., *Fr.* 18 Cabot
 Williamson, A. H., *Gr.*
 5 Judkins, Rumford
 Williamson, Mrs. I. H., *Gr.*
 5 Judkins, Rumford
 WILMOT, S., *Asst. Prof.*
 63 Elmgrove Ave.
 Wilsker, I., *W. So.* 118 Cushing
 Wilsker, N., *W. Jr.* 118 Cushing

Wilson, C., <i>W. Fr.</i>	118 Cushing	Wright, E. P., <i>So.</i>	
Wilson, G. E., <i>Jr.</i>	41 George		621 Park Ave., Auburn
Wilson, J. W., <i>Gr.</i>		Wright, F. W., <i>W. Sr.</i>	46 Forest
	Arnold Laboratory	Wright, R. B., <i>W. Fr.</i>	182 Meeting
Windsberg, E. H., <i>Sp.</i>	Brown Univ.	WYCKOFF, W. C., <i>Trustee</i>	
Wing, N. S., <i>Fr.</i>	193 Westminster		546 Fifth Ave., New York, N. Y.
Winsor, C. E., <i>Fr.</i>	H. 17	Yeaton, H. B., <i>So.</i>	H. 41
Wirtz, R. C., <i>Fr.</i>	U. 53	YORK, H. H., <i>Asst. Prof.</i>	
Wolfe, W. F., <i>Jr.</i>	175 Thayer		256 Doyle Ave.
Wood, E., <i>Trustee</i>		Young, H. T., <i>So.</i>	48 College
	63 Ash, New Bedford, Mass.	Young, L. M., <i>W. Jr.</i>	125 Governor
Woodin, K. M., <i>So.</i>	119 Waterman	Zellers, L. P., <i>Jr.</i>	41 George
Woods, J. C. B., <i>Trustee</i>	62 Prospect	Zitserman, F. J., <i>Jr.</i>	151 Benefit
Woodward, E. S., <i>Jr.</i>	S. 1	Zubrisky, P. P., <i>So.</i>	11 Printery
Woodward, M. H., <i>W. Jr.</i>		Zucco, A. L., <i>Fr.</i>	C. 6
	118 Cushing		
Woodward, O. P., <i>Sp.</i>	4 Manning		

INDEX

ADMISSION to the University, 23-26.
 Admission at Mid-year, 25, 26.
 Advanced Standing, 45, 46.
 Graduate Students, 62.
 Requirements for, 26-45.
 Special Students, 46.
 Advanced Standing, Admission to, 45.
 Advisers, Student, 124.
 Aid to Students, 130-132.
 Algebra, Entrance Requirements in, 33.
 Alumnae Associations, 209, 210.
 Alumni Associations, 207, 208.
 American Literature, 96.
 American School of Classical Studies at Athens, 120.
 Anatomy, Comparative, *see* Biology.
 Appointments for Commencement, 140.
 Arrangements with other Institutions, 120, 121.
 Art, Courses in, 77, 180.
 Associated Alumni, 206.
 Astronomy, Courses in, 78.
 Entrance Requirements in, 45.
 Athens, American School of Classical Studies at, 120.
 Attendance on University Exercises, 59.
BACHELOR of Arts, Degree of, 27, 49, 50.
 Bachelor of Philosophy, Degree of, 27, 50-52. [53-56.
 Bachelor of Science, Degree of, 27,
 Bacteriology, 80.
 Biblical Literature and History,
 Courses in, 78, 79, 180, 181.
 Bills, University, 129, 130.
 Biology, Courses in, 79-81, 181.

Botany, Courses in, 81, 82, 181.
 Entrance Requirements in, 44, 45.
 Brown Christian Association, 125.
 Brown Union, 124, 125.
 Brown University Teachers' Association, 204.

CALENDAR, 7-10.

Certificate, Admission by, 25.
 Certificates of Teachers, 87, note.
 Chapel Services, 54, 125, 195.
 Chemistry, Courses in, 83-85, 181, 182.
 Entrance Requirements in, 43, 44.
 Christian Association, 125.
 Civil Engineering, Courses in, 90, 91.
 Requirements for Admission, 27.
 Requirements for Degree in, 53-56.
 Classical Archaeology, *see* Art.
 Classical Civilization, Courses in, *see*
 Greek Civilization, Roman Civilization.
 Classical School at Athens, 120.
 College Entrance Examination Board, 24, 25.
 College in War Time, The, 68-71.
 Colver Lectureship, Committee on, 13. [140.
 Commencement, Appointments for, Comparative Anatomy, *see* Biology.
 Concentration, Requirements for, 52, 53.
 Contracts, Room, 126.
 Corporation of the University, 11, 12.
 Standing Committees of, 13. [190.
 Courses of Instruction, 77-115, 180-
 Curriculum, 71-115.

DEGREES

Bachelor of Arts, 27, 49, 50.
 Bachelor of Education, 65-67.

Degrees

- Bachelor of Philosophy, 27, 50-52.
- Bachelor of Science in Civil, Mechanical, or Electrical Engineering, 27, 53-56.
- Doctor of Philosophy, 64, 65.
- Doctor of Public Health, 65.
- Master of Arts, 62, 63.
- Master of Science, 63.
- Regulations under which a student may take a first degree in less than four years, 57.

Degrees conferred in 1918, 143-146.

Departmental Honors, 140-142.

Directory of Officers and Students, 221-238.

Dormitories, Directory to, 213.

Prices of Rooms in, 194, 210-213.

Dormitory Accommodations, 126, 194.

Drawing, Freehand, 77.

Mechanical, 89.

Dues, *see* Fees.

ECONOMICS, Courses in, 86, 182.

Education, Courses in, 87, 88, 182, 183.

Religious, 116, 117.

Training of Teachers, 121, 122.

Education, School of, 65-67.

Requirement for the Degree of Bachelor of, 66, 67.

Elective Courses, 77-115, 180-190.

Electrical Engineering, Courses in, 91, 92.

Requirements for Admission, 27.

Requirements for Degree in, 55, 56.

Elocution, *see* Public Speaking.

Employment Bureau, 125.

Engineering, 89-94.

Requirement for Degrees in, 53-56.

English, Courses in, 94-96, 183.

Entrance Requirements in, 27-34.

Enrolment of Undergraduates, 47.

Of Graduate Students, 62.

Entrance Requirements, 26-45.

Ethics, *see* Philosophy.

Examinations

Entrance, 23-25.

Entrance Conditions, 60, 61.

For advanced standing, 45, 46.

For degree of Ph.D., 64, 65.

Semester, 60.

Special, 60, 61.

Expenses, Estimate of Annual, 129.

Extension Courses, 118, 119.

FACULTY, 14-20.

Standing Committees of, 21.

Of the Women's College, 173-176.

Office hours, 21.

Fees, University, 127-130.

For Graduate Students, 128, 129.

For Special Students, 128, 129.

For Undergraduate Students, 127-130.

For Women, 178, 179.

Laboratory, 127-129.

Special, 127-129.

Fellows, Board of, 11.

Fellowships, 130, 131.

Financial Aid to Students, 130-132, 192, 193.

Fine Arts, Courses in, *see* Art.

French, Courses in, 111, 112, 187.

Entrance Requirements in, 36, 37.

GEOGRAPHY, Physical, *see* Geology.

Geology, Courses in, 96, 97, 183, 184.

Geometry, Entrance Requirements in, 33, 34.

German, Courses in, 97, 98, 184.

Entrance Requirements in, 37-40.

Grades, 59.

Graduate Students, Admission of, 65.

Registration and Enrolment, 65.

Fees for, 127, 128.

List of, 147-150.

Graduate Study, 62-65.

Graduates, 22. *See also* Alumni and Alumnae.

Greek, Courses in, 99, 100, 184, 185.

Entrance Requirements in, 35, 36.

Greek Civilization, Course in, 100, 185.

Gymnasium, 114, 115.

HEBREW, Courses in, 78, 180.

History, Courses in, 100, 101, 185.

Entrance Requirements in, 42.

History of Brown University, *see* Statistics, 22, *also* College in War Time, 68-71.

Honorary Degrees, 146.

Honors, 133-142.

Hospital Beds, 124.

Hygiene, 189, 195.

INSTRUCTION, *see* Courses. [181.

International Law, Courses in, 113,

Italian, Courses in, 112, 188.

Entrance Requirements in, 41, 42.

JOHNSON Carter Brown Library, 118.

John Hay Library, 118.

LABORATORIES, 118.

Laboratory Fees, 127-130.

Latin, Courses in, 110, 187.

Entrance Requirements in, 34, 35.

Libraries, 118.

Loan Funds, 132, 193.

Logic, *see* Philosophy.

MARSTON Field House, 123.

Master of Arts, Degree of, 62, 63.

Master of Science, 63. [186.

Mathematics, Courses in, 101-105, 185,

Entrance Requirements in, 33, 34.

Mechanical Drawing, 89. [92, 93.

Mechanical Engineering, Courses in, Requirements for Admission, 27.

Requirements for Degree in, 53-56.

Mechanics, Courses in, 93, 94.

Medals, *see* Premiums.

Medical Care, 123, 124, 195.

Military Instruction, 68-72.

Modern Languages, *see* English, German, Italian, Romance, Spanish.

Museums, 118.

Music, Courses in, 105, 186.

NATIONAL Service, 68-72.

Nautical Science, Courses in, 106, 107.

New Testament Language and Literature, *see* Biblical Literature.

Newton Theological Institution, 120, 121.

OFFICE Hours, 21, 22.

Officers of the University, 11-21.

Of the Women's College, 173-176.

Old Testament Language and Literature, *see* Biblical Literature.

Orientation Lectures, 115.

PAYMENT of University Bills, 129, 130.

Pecuniary Aid to Students, 130-139, 192, 193.

Pedagogy, *see* Education.

Personal Welfare of the Students, Provisions for, 123-125.

Phi Beta Kappa, R. I. Alpha of the, 204, 205.

Philosophy, Courses in, 107, 108, 186.

Physical Education, 114, 115.

Physical Geography, *see* Physiography.

Physical Training, 114, 115, 123, 189, 195.

Physician, University, 123, 124.

Physics, Courses in, 108, 109, 187.

Entrance Requirements in, 42, 43.

Physiography, Entrance Requirements in, 45.

Physiology, *see* Comparative Anatomy.

Political Economy, *see* Economics.

Political Science, Courses in, 113, 188, 189.

Premiums, 133-140.

President, 11, 14, 21.

Prices of Rooms and Suites, 194, 210-213.

Prizes, 133-140, 190, 191.

Proficiency, Reports of, 59.

Providence, Arrangements with the City of, 121, 122.

Provisions for the Personal Welfare of the Students, 123-125.

In the Women's College, 189, 195.

Psychology, *see* Philosophy.

Public Health, Requirements for the Degree of Doctor of, 65.

Public Speaking, Courses in, 95, 183.

Publications, 217, 218.

REGISTRATION of Undergraduates, 47.

Of Graduate Students, 63.

Summary of, 214, 215.

Religion, Philosophy and History of, *see* Philosophy.

Religious Education, 116, 117.

Religious Services, 125.

Reports of Attendance and Standing, 59.

Requirements for Entrance, 26-45.

Residences, *see* Directory.

Rhetoric, Courses in, 94, 95, 183.

Rhode Island, Arrangements with the State of, 121.

Rhode Island School of Design, 77, 120.

Rockefeller Hall, 124, 125.

Roman Civilization, Course in, 110, 187.

Roman Literature and History, 110, 187.

Romance Languages and Literatures, Courses in, 111, 112, 187, 188.

Room Contracts, 126.

Rooms and Suites, Prices of, 210-213.

SCHOLARSHIPS, 131-139.

Honor, 139, 140.

For Women, 192, 193. [206.

School of Design, Rhode Island, 77,

School of Education, 65-67.

Self-support Committee, 193.

Semester Examinations, 60.

Service, 132. [206.

Sigma Xi, Brown Chapter of the, 205,

Social and Political Science, Courses in, 112, 113, 188.

Spanish, Courses in, 112, 188.

Entrance Requirements, in, 40, 41.

Special Students, Admission of 46, 178.

Standing, Records of, 59.

Student Advisers, 124.

Student-teachers, 121, 122.

Students

Graduate, 147-150.

Lists of, 147-172.

Of the Women's College, 197-203.

Special, 46, 167-172, 202, 203.

Summary of, 214, 215.

Undergraduate, 150-172, 197-203.

Summer Work, 57, 58.

Surveying, *see* Civil Engineering.

TEACHERS, Training of, 65-67, 121, 122.

Student-teachers, 121, 122.

Teachers' Association, 204.

Teaching, Instruction in, *see* Education.

Trigonometry, Entrance Requirements in, 34.

Trustees, Board of, 11, 12.

UNION, The Brown, 124, 125.
 University Bills, 129, 130.
 University Extension, 118, 119.

WEST Cottage, 194.

Women's College, 173-196.

Admission, 178.

Advisory Council, 176.

Buildings, 194.

Committees, 176.

Courses of Instruction, 180-190.

Degrees, 178.

Dormitory Accommodations, 194.

Examinations, 178.

Faculty, 173-176.

Fees, 178, 179.

Gymnasium, 194.

Women's College

Honors, 140-142, 190, 191.

Hygiene, 189, 195.

Library, 194.

Loan Funds, 193.

Officers of Administration and Instruction, 173-176.

Organization, 177.

Physical Education, 189, 195.

Prizes and Premiums, 190, 191.

Registration and Enrolment, 178.

Requirements for Admission, 178.

Scholarships, 192, 193.

Self-support Committee, 193.

Student Organizations, 195, 196.

Students, 197-203.

John Carter Brown Library (1904), given to the University by the Trustees under the provisions of the will of John Nicholas Brown: library of rare Americana.

John Nicholas Brown Gate (1904), gift of Mrs. John Nicholas Brown.

William Goddard Gate (1910), given by Mrs. C. Oliver Iselin, in memory of her father.

Maxcy Hall (1896): dormitory, lecture rooms, seminary rooms, botanical laboratory, herbarium.

Lyman Gymnasium (1891), gift of Daniel Wanton Lyman; with Colgate Hoyt Swimming Pool (1903), gift of Colgate Hoyt.

Engineering Building (1903): laboratories and lecture rooms of the departments of Mechanics and Mechanical Drawing and of Mechanical and Civil Engineering.

Aswell Hall (1903): dormitory.

President's House (1901).

Embroke Hall (1897), built by the Rhode Island Society for the Collegiate Education of Women: recitation building of the Women's College.

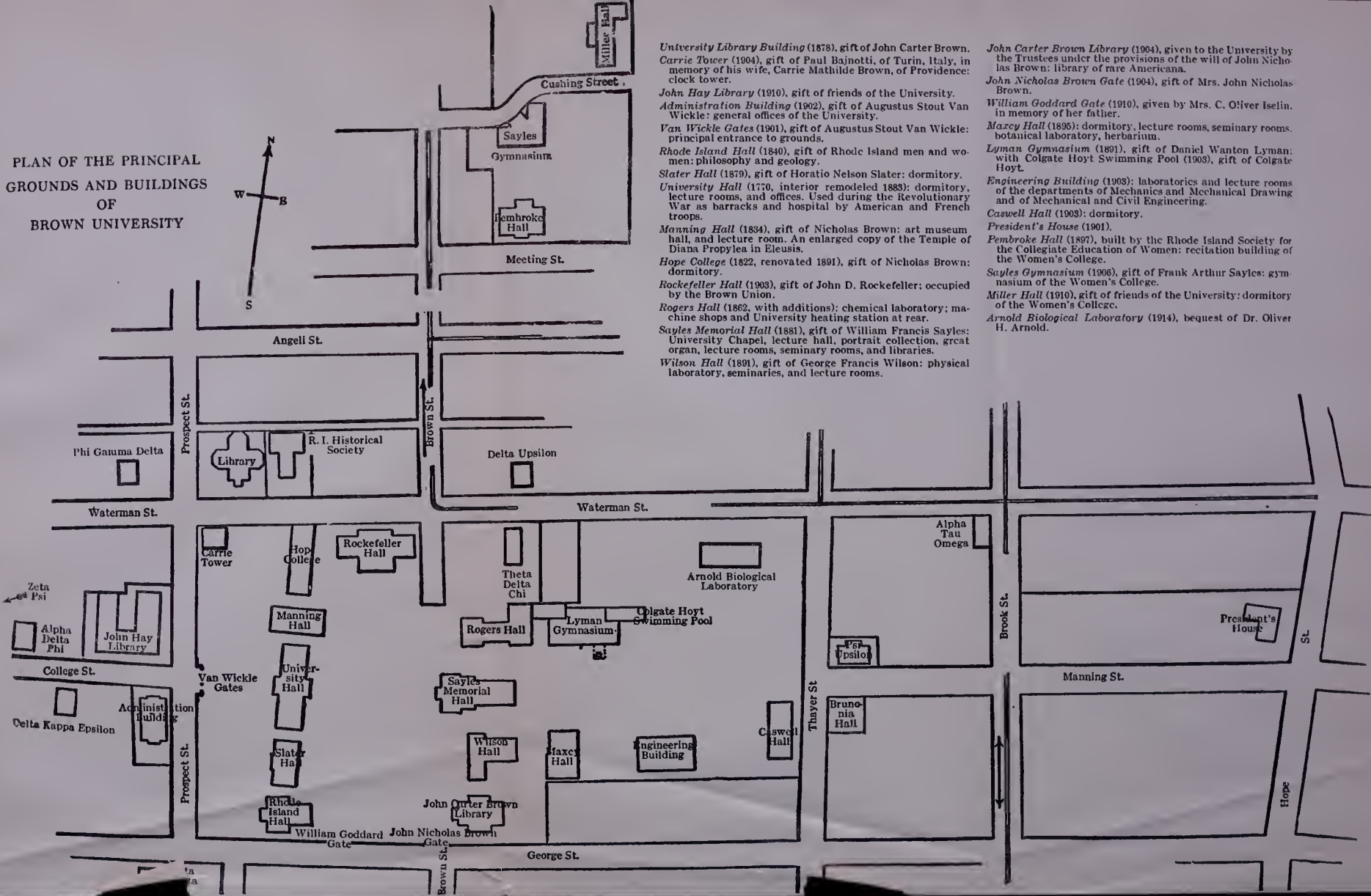
Wyles Gymnasium (1906), gift of Frank Arthur Sayles: gymnasium of the Women's College.

Miller Hall (1910), gift of friends of the University: dormitory of the Women's College.

Arnold Biological Laboratory (1914), bequest of Dr. Oliver H. Arnold.



PLAN OF THE PRINCIPAL
GROUNDS AND BUILDINGS
OF
BROWN UNIVERSITY



University Library Building (1878), gift of John Carter Brown.
Carrie Tower (1904), gift of Paul Bajnotti, of Turin, Italy, in memory of his wife, Carrie Mathilde Brown, of Providence: clock tower.

John Hay Library (1910), gift of friends of the University.
Administration Building (1902), gift of Augustus Stout Van Wickle: general offices of the University.

Van Wickle Gates (1901), gift of Augustus Stout Van Wickle: principal entrance to grounds.

Rhode Island Hall (1840), gift of Rhode Island men and women: philosophy and geology.

Slater Hall (1879), gift of Horatio Nelson Slater: dormitory.
University Hall (1770, interior remodeled 1889): dormitory, lecture rooms, and offices. Used during the Revolutionary War as barracks and hospital by American and French troops.

Manning Hall (1834), gift of Nicholas Brown: art museum hall, and lecture room. An enlarged copy of the Temple of Diana Propylea in Eleusis.

Hope College (1822, renovated 1891), gift of Nicholas Brown: dormitory.

Rockefeller Hall (1903), gift of John D. Rockefeller: occupied by the Brown Union.

Rogers Hall (1862, with additions): chemical laboratory; machine shops and University heating station at rear.

Sayles Memorial Hall (1881), gift of William Francis Sayles: University Chapel, lecture hall, portrait collection, great organ, lecture rooms, seminary rooms, and libraries.

Wilson Hall (1891), gift of George Francis Wilson: physical laboratory, seminars, and lecture rooms.

John Carter Brown Library (1904), given to the University by the Trustees under the provisions of the will of John Nicholas Brown: library of rare Americana.

John Nicholas Brown Gate (1904), gift of Mrs. John Nicholas Brown.

William Goddard Gate (1910), given by Mrs. C. Oliver Iselin, in memory of her father.

Maxcy Hall (1896): dormitory, lecture rooms, seminary rooms, botanical laboratory, herbarium.

Lyman Gymnasium (1891), gift of Daniel Wanton Lyman: with Colgate Hoyt Swimming Pool (1903), gift of Colgate Hoyt.

Engineering Building (1903): laboratories and lecture rooms of the departments of Mechanics and Mechanical Drawing and of Mechanical and Civil Engineering.

Caswell Hall (1903): dormitory.

President's House (1901).

Pembroke Hall (1897), built by the Rhode Island Society for the Collegiate Education of Women: recitation building of the Women's College.

Sayles Gymnasium (1906), gift of Frank Arthur Sayles: gymnasium of the Women's College.

Miller Hall (1910), gift of friends of the University: dormitory of the Women's College.

Arnold Biological Laboratory (1914), bequest of Dr. Oliver H. Arnold.

All gifts, legacies, and bequests for any department of the University or any phase of its work should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

UNIVERSITY OF ILLINOIS-URBANA



3 0112 051027255